LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 573-751-4041

Permit to Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

_	ASH GROVE AGGREGATES, INC. Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements	
	in the application, a permit is hereby granted to engage in surface mining of limestone in the state of Missouri. The extent of the	
	proposed mining operation(s) will be on 543 acres, more or less. The locations of the operation(s) under this permit is/are as follows: Amendment, Revision	

See Attached List

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this

12th

day of

November 2004

DIRECTOR OF STAFF

Land Reclamation Commission

Permit No. 0002-A2
Effective Date 11/12/2004
Expiration Date 01/31/2005
MO 780-1122 (6-95)

Company Name Ash Grove Aggregates, Inc.

Permit Number 0002

Expiration Date – 01/31/2005

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Bates	19, 20, 30	40N	31W	Renewed	2	53	Butler #71	0012
Bates	05	39N	29W		3.4	47	Appleton City #72	0012
Bates	28	39N	32W			37	Rich Hill #74, Craigmile;	1896
Cedar	06	34N	26W		1	22	Stockton	0004
Vernon	05, 06	34N	29W		2.6	42	Montevallo	0008
St. Clair	36	38N	25W		1.7	28	Osceola #79	0002
Vernon	25	36N	29W		5	16	El Dorado Springs #487	1816
Vernon	26	36N	29W			33	El Dorado Springs #88	0010
Polk	05, 08	34N	23W			14	Cliquot #91	0011
Hickory	19, 20, 29	37N	22W		2.2	35	Wheatland #92	0003
Dallas	29	34N	19W		6	35	Buffalo #93	0013
Hickory	36	36N	22W			13	Pittsburg #94	0007
Polk	28, 29	34N	23W		23.3	105	Bolivar #95	0014
Webster	34	32N	18W		15.4	42	Marshfield #96	0009
Dallas	08	31N	20W		4	9	Fairgrove Quarry #497	1891
St. Clair	07, 08	36N	R28W			12	#486 El Dorado-Dever	2004
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MISSOURI DEPARTMENT OF NATU RESOURCES LAND RECLAMATION COMMISSION

JUL 2 3 2004

P.O. BOX 178 JEFFE 3SON CITY, MO 65102-0176

PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES

MISSOURI LANG тесьама**т**дам со: CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL 7-15-04 Ash Grove Aggregates, Inc. ADDRESS CITY ZIP CODE P. O. Box 70 Butler 64730 MO CONTACT PERSON TELEPHONE NUMBER Ryan Sutharland, General Manager 660/679-4128 Check any that apply: ☐ Permit Revision **New Permit** Permit Amendment **Permit Expansion** LOCATION: SITE NAME OR NUMBER **ACREAGE** COUNTY, SECTION, TOWNSHIP, RANGE (lEast or West) Bolivar Quarry #95 23.3 Polk, Section 28, 29, T34N, R23W 2. Buffalo Quarry #93 6.0 Dallas, Section 29, T34N, R19W 3. El Dorado Springs Quarry #487 5.0 Vernon, Section 25, T36N, R29W Fair Grove Quarry #497 4.0 Dallas, Section 8, T31N, P20W Marshfield Quarry #96 15.4 5. Webster, Section 34, T32N, R18W 6. Osceola Quarry #79 -2.7St. Clair. Section 36. T38N. R25W 7. Wheatland #92 Hickory, Section 19, 20, 29, T37N, R22W 2.2 8. 2.6 Montevallo #78 Vernon, Section 5, 6, T34N, R29W 9. Appleton City #72 3.4 Bates, Section 5, T39N, R29W Butler, #71 0.210. Pates, Section 30, T40N, P31W 11. 1.7 Osceola #79 Clair, Section 36, T38M, R25W 12. 13. 14. 15. * Permit Expansion - all others are permit amendments 16. 17. 18. 19. 20. ATTACH ADDITIONAL SHEETS IF NECESSARY TITLE SIGNATURE OF APPLICANT General Manager **20**04 Ryand Sutherland **July** Appeared before me this day of_ to me personally known, who executed the above as their free acts and deeds. COUNTY (OR CITY OF ST. LOUIS) NOTARY PUBLIC EMBOSSER SEAL Missouri Bates SUBSCRIBED AND SWORN BEFORE ME. THIS USE RUBBER STAMP IN CLEAR AREA BELOW 20 04 MY COMMISSION 19th NOTARY PUBLIC SIGNATURE DAY OF July A A DEBBIE A KEISER NOTARY PUBLIC STATE OF MISSOURI 1-20-05 BATES COUNTY NOTARY PUBLIC NAME (TYPED OR PRINTED) MY COMMISSION EXP. JAN. 20,2006 Debbie A. Keiser VERMI MENT USE ONLY: APPROVED BY DATE APPROVED PERMIT NUMBER EXPIRATION DATE 0002



RECEIVED 2004

MISSOURI LAND JEFFERSON CITY, MO 85102-0176

MISSOURI DEPARTMENT OF NAT RESOURES LAND RECLAMATION COMMISSION PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES	JUL 2 3
FFES AND BONDING WORKSHEET	MISSOURI

NAME OF CORPORATION, COMPANT, FARTNERSHIP OR II	ADITIDOAL	DATE
Ash Grove Aggregates, Inc	•	7-15-04
FEES: COMPLETE SECTION		
	ators and those mining more than five thousand	(5,000) tons of sand and/or
List SITE NAME OR NUMBER (Add a separate sheet for additional	For sites operated less than six (6) months per permit year pay \$150.00	
sites.)	operated during the Permit Year	For sites operated six (6) months or more per permit year pay \$300.00
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	TOTAL SITE FEE	→ s
2. Acreage fee: \$5 X 67 n	umber of acres bonded	\$ 335,00
3. Annual permit fee:		\$ <u>500.00</u>
4. Total Fee: Add Totals from 1	, 2, and 3	\$
	NOTE: If Total Fee exceeds \$2,500.00 then	pay only\$2,500.00
	r gravel operators mining less than five thousand	• •
III. BONDING – for all EXCEPT in A. For sand and gravel operators m	-Stream mine sites:	
	nining less than five thousand (5,000) tons/year:	\$
B. For <u>ALL</u> other open pit operation Minimum	esX \$500/acres: per permit	\$ <u>8,000.00</u>
B. For <u>ALL</u> other open pit operation Minimum	esX \$500/acres:	\$ <u>8,000.00</u>
B. For <u>ALL</u> other open pit operation Minimum Acreage over 8 acre	esX \$500/acres: per permit	\$8,000.00 \$269,000.00

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 573-751-4041

Permit to Engage in Surface Mining LAND RECLAMATION COMMISSION ISSUES TO ASH GROVE AGGREGATES, INC. Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements in the application, a permit is hereby granted to engage in surface mining of limestone in the state of Missouri. The extent of the proposed mining operation(s) will be on 479.4 acres, more or less. The locations of the operation(s) under this permit is/are as follows: Expansion See Attached List

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 20th day of April 2004

DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0002-A1

Effective Date 04/20/2004

Expiration Date 01/31/2005

MO 780-1122 (6-95)

Company Name ASH GROVE AGGREGATES, INC.

Permit Number 0002-A1

Expiration Date – 01/31/2005

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Bates	19, 20, 30	40N	31W	52.8		52.8	Butler #71	0012
Bates	05	39N	29W	43.6		43.6	Appleton City 372	0015
Bates	28	39N	32W	37.2		37.2	Rich Hill #74, Craigmiles	1896
Cedar	06	34N	26W	22		22	Stockton	0004
Vernon	05, 06	34N	29W	39.4		39.4	Montevallo	0008
St. Clair	36	38N	25W	26.3		26.3	Osceola #79	0002
Vernon	25	36N	29W	11		11	El Dorado Springs #487	1816
Vernon	26	36N	29W	33		33	El Dorado Springs #88	0010
Polk	05, 08	34N	23W	14		14	Cliquot #91	0011
Hickory	19, 20, 29	37N	22W	32.8		32.8	Wheatland #92	0003
Dallas	29	34N	19W	29		29	Buffalo #93	0013
Hickory	36	36N	22W	13		13	Pittsburg #94	0007
Polk	28, 29	34N	23W	81.7		81.7	Bolivar #95	0014
Webster	34	32N	18W	26.6		26.6	Marshfield #96	0009
Dallas	08	31N	20W	5		5	Fairgrove Quarry #497	1891
St. Clair	07, 08	36N	28W		12	12	#486 El Dorado – Dever	2004
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	+			-				

MISSOURI DEPARTMENT OF NAME AL RESOURCES

PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES

P.O. BOX 176 JEFFERSON CITY, MO 65102-0176

THE COPPORATION COMPANY PARTNERSHIP OF INDIVIDUAL			TF	ATF	
NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL		DATE			
Ash Grove Aggregates, Inc.		Torni		5-19-03	719 0005
ADDRESS		CITY	1	MO	2IP CODE 64730
P.O. Box 70		Butle	1	МО	04750
CONTACT PERSON			1	ELEPHONE NUMBER 660–679–4128	
Ryan Sutherland, General Manager			<u> </u>		
Check any that apply:					
☐ New Permit ☐ Permit Ame	endment	□ Po	ermit Revis	ion 🖾 Po	ermit Expansion
SITE NAME OR NUMBER	ACREAGE	LOCATION			
	12.0	COUNTY,	SECTION, TO	<mark>DWNSHIP, RANGE (E</mark> 3, T36N, R28W	ast or west)
1. #486 El Dorado - Dever Quarry,	12.0	St. Clai	.r, sec /ac	, 130N, K20W	
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3.					
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17.	 	+		MISSOURI LA	VIC
18.	- 	- 		RECLAMATION CON	ME
19.	+	+			
					····
20.	ADV				
ATTACH ADDITIONAL SHEETS IF NECESSA	AH Y	TITLE	E		DATE
Jai Sun			General Ma	nager	5-20-03
Appeared before me this 23 day of May	, 20 _03	Ryai	n J. Suthe	rland	to me personally
known, who executed the above as their free acts and de	eds.			COUNTY (OR CITY OF ST. LOU	SI
	•				5 ,
Missour:	L VORN BEFORE ME, TH	ııs .		Bates	
	•				
2:	DAY OF		20 03	USE RUBBER STAMP I	N CLEAR AREA BELOW
NOTARY PUBLIC SIGN	NATURE ()	.	MY COMMISSION EXPIRES 1-20-06	DEBBIE A NOTARY PUBLIC ST	KEISER
	NOTARY PUBLIC NAME (TYPED OF PRINTED			BATES COMMISSION E	
Debbie A		OVER .	1 DCDUZ	<u> </u>	
FOR DEPARTMENT USE DNLY: APPROVED BY	DATE APPRI	1/03	PERMIT NUMBER	-A1	2-3/-
ATTACH FEES AND BONDING WORKSHE	ET.				



MISSOURI DEPARTMENT OF NATU RESOURES LAND RECLAMATION COMMISSION

PERMIT APPLICATION FOR INDUSTRIAL MINERAL MINES EIVED

P.O. BOX 176 JEFFERSON CITY, MO 65102-0176

FEES AND BONDING WORKSHEET

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL

MAY 9, 7, 7003

Ash Grove Aggregates, Inc.

FEES: COMPLETE SECTION I OR SECTION II

RECLAMATION COMMISSION

AMESOURI LAND

RECLAMATION COMMISSION

SECTION I. FEES: Open pit operators and those mining more than five thousand (5,000) tons of sand and/or gravel:

1. To compute the site fee complete the columns and lines below:

List SITE NAME OR NUMBER	Mark each month that the site will be	For sites operated less than six (6) months per permit year pay \$150.00
Add a separate sheet for additional sites.)	operated during the Permit Year	For sites operated six (6) months or more per permit year pay \$300.00
486 El Dorado - Dever Quarr	Jam, Fanto, Mar, Amar, May, Yuan, Jul, Awag, Siesp, Quan, Maxv, Daeax	\$300.00
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov. Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov. Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov. Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov. Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
	TOTAL SITE FEE	→ \$300.00
3. Annual permit fee:		\$ <u>500.00</u>
4. Total Fee: Add Totals from	1, 2, and 3	<u>\$</u> 360.00
	NOTE: If Total Fee exceeds \$2,500.00 then	
	or gravel operators mining less than five thousan	
Number of new ac B. For <u>ALL</u> other open pit operation	mining less than five thousand (5,000) tons/year: resX \$500/acre ons:	
Minimur	n per permit	\$ <u>8,000</u>
Acreage over 8 acr	es <u>487</u> X \$500/acre	\$ 243,500.00
TOTAL BONDING	REQUIRED	\$ 251,500.00
Check here if adequate bon	ding is already posted.	

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 573-751-4041

Permit to Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

Д	SH	GROV	'E.A(GGRE	EGAT	ES	INC
	\mathbf{v}_{1}	0100		σ			11 TO.

Pursuant to "The Land Reclamation Act," RSMo. 2001, and on conformity with the statements in the application, a permit is hereby granted to engage in surface mining of in the state of Missouri. The extent of the limestone proposed mining operation(s) will be on acres, more or less. **4**67.4 The locations of the operation(s) under this permit is/are as follows: Renewal

See Attached List

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act." RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this

1 st

day of

March

2004

DIRECTOR OF STAFF

Land Reclamation Commission

Permit No.

0002

Effective Date

03/01/2004

Expiration Date

01/31/2005

MO 780-1122 (6-95)

Company Name Ash Grove Aggregates, Inc.

Permit Number 0002

Expiration Date – 01/31/2005

County	Section	Township	Range	Acres	Acres	Total	Site/Stream Name	Site
				Renewed	New	Acres		Number
Bates	19, 20, 30	40N	31W	52.8		52.8	Butler #71	0012
Bates	05	39N	29W	43.6		43.6	Appleton City #72	0015
Bates	28	39N	32W	37.2		37.2	Rich Hill #74, Craigmiles	1896
Cedar	06	34N	26W	22		22	Stockton	0004
Vernon	05, 06	34N	29W	39.4		39.4	Montevallo	0008
St. Clair	36	38N	25W	26.3		26.3	Osceola #79	0002
Vernon	25	36N	29W	11		11	El Dorado Springs #487	1816
Vernon	26	36N	29W	33		33	El Dorado Springs #88	0010
Polk	05, 08	34N	23W	14		14	Cliquot #91	0011
Hickory	19, 20, 29	37N	22W	32.8		32.8	Wheatland #92	0003
Dallas	29	34N	19W	29		29	Buffalo #93	0013
Hickory	36	36N	22W	13		13	Pittsburg #94	0007
Polk	28, 29	34N	23 W	81.7		81.7	Bolivar #95	0014
Webster	34	32N	18W	26.6		26.6	Marshfield #96	0009
Dallas	08	31N	20W	5		5	Fairgrove Quarry #497	1891
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MISSOURI DEPARTMENT OF NATURAL RESOURCES

LAND RECLAMATION COMMISSION

MISSOURI LAND P.O. BOX 176

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES RECLAMATION COMMISSIEMERSON CITY, MO 65102-0176

				····OIT OON	MISSIACI	10011 011 1, 1110 03 102-0176	
NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVI	DUAL				DATE	0./02	
Ash Grove Aggregates, Inc.	12/2	9/03 ZIP CODE					
P.O. Box 70		Cmy Butle	c		MO	64730	
CONTACT PERSON	TELEPHONE NU						
Ryan Sutherland, General Man					660-	679-4128	
FEES: COMPLETE SECTION I OR SECTION SECTION I. Fees: Open pit operators and t		an 5,000 tor	s of sand a	nd/or grave	<u></u>		
1. To compute the site fee complete the inf							
SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month th the permit year	at the site w	ill be operat	ted during	permit year pa	ated six months or more per	
1.#471 Butler Quarry	den, ∑e b, Mar, Apr, M	ay, Jun, Jul, A	lug. Sep, Oct	t, Nov, Dec	\$150.00		
2.#472 Appleton City Quarry	Jan, Feb, Mar, 🔭 , 🥅	ąy,χįχη, Jul, A	lug. Sep, Oct	t, Nov, Dec	\$150.00		
3.#474 Rich Hill Quarry	Jan, Feb, Mar, Apr, M	ay, Jun, Jul, A	lug. Sep, Oct	t, Nex, Dex	\$150.00		
4.#477 Stockton Quarry	Jan, Feb, Mar, Apr, M.	ay, Jun, XXI, A	we. Sop, XX				
5.#478 Montevallo Quarry	Jan, Feb, Mar, Apr, M	ay, Jun, Jul, A	lug. Sep, Oct	t, Nov, Dec	\$150.00		
6.#479 Osceola Quarry	Jan, Feb, Mar, Apr, M	ay, Jun, Jul, A	lug, Sep, Oc	t, Nov, Dec	\$150.00		
	volan, Redo, Mer, Apr, M						
8.#488 Old El Dorado Quarry	Jan, Feb, Mar, Apr, M	ay, Jun, Jul, A	lug, Sep, Oc	t, Nov, Dec	\$150.00		
9.#491 Cliquot Quarry	Jan, Feb, Mar, Apr, M	ay, Jun, Jul, A	lug, Sep, Oc	t, Nov, Dec	\$150.00		
10#492 Wheatland Quarry	Jan, Feb, Mar, Apr, M	ay, Jun, Jul, A	lug. Sep, Oc	t, Nov, Dec	\$150.00		
TOTAL SITE FEE					\$ see page two		
2. Acreage Fee \$5 Xnumber o	f acres bonded				\$ see p	age two	
3. Annual Permit Fee					\$ 500		
4. Total Fee (Add totals from 1, 2 and 3)				•••••	\$		
NOTE: If Total Fee exceeds \$2,500.00 the							
SECTION II. FEES: Sand or gravel operato							

1. Annual Permit Fee							
SIGNATURE OF APPLICANT		TITLE			DATE		
Appeared before me this day of to me personally known, who executed the al			_ '			•	
NOTARY PUBLIC EMBOSSER SEAL STATE OF			T	COUNTY (OR CI	TY OF ST. LOUIS	5)	
SUBSCRIBED AND	SWORN BEFORE ME, THIS						
5555525	DAY OF	YEAR		USE RUBBE	R STAMP II	N CLEAR AREA BELOW.	
NOTARY PUBLIC S	GNATURE	MY COMI EXPIRES	AISSION				
NOTARY PUBLIC N	AME (TYPED OR PRINTED)	•					
FOR DEPARTMENT USE ONLY: APPROVED BY	DATE APPROVED	,	PERMIT NUMBER	R		ATION DATE	
Michael Mull	2-6-0	4	000.	2	/	-31-05	





MISSOURI DEPARTMENT OF NATURAL RESOURCES

JAN 2 2004

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LAND RECLAMATION COMMISSION

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES MISSOURLE AND

P.O. BOX 176

	ITAL I OII IND	OOTTUAL MINT	RECI	MISSOURI LAND	JEFFERSON	CITY, MO 65102-0176
NAME OF CORPORATION, COMPANY, PARTN	ERSHIP OR INDIVIDUAL		RECE	AMATION COMMIS	DATE	
Ash Grove Aggregates	s, Inc. (page 2)	CITY			7
AUUNESS			CITY		STATE	ZIP CODE
CONTACT PERSON					TELEPHONE NUMBER	₹
SEED COMPLETE OF OTION	00.05050000			·	<u> </u>	
FEES: COMPLETE SECTION I SECTION I. Fees: Open pit open		mining more tha	an 5.000 tons of	sand and/or gray	ol·	
1. To compute the site fee con				3		-
SITE NAME OR NUMBER	1		at the site will be	operated during	For sites operated permit year pay \$15	es: than six months per
(add a separate sheet for addition	onal sites) the	permit year			For sites operated permit year pay \$30	six months or more per 100
1.#493 Buffalo Quarry	Jag	, Keb, Mar, Apr, Ma	ay, Jun, Jul, Aug. S	ep, Oct, Nov, Dec	\$ 300.00	
2.#494 Pittsburg Quari	_{cy} Jan	, Feb, Mar, Apr, Ma	ay, Jun, Jul, Aug. S	ep, Oct, Nov, Dec	\$150.00	
3.#495 Bolivar Quarry				ep, Oct. Nov, Dec		
4.#496 Marshfield Quai				ep, Oct, Nov, Dec		
5.#497 Fair Grove Quai	cry Jax	, Feb, Mar, Apr, Ma	ay, Jun, Jul, Aug. S	ep, Oct, Nov, Dec	\$150.00	
6.	Jan	, Feb, Mar, Apr, Ma	ay, Jun, Jul, Aug, S	ep, Oct, Nov, Dec	\$	
7.	Jan	, Feb, Mar, Apr, Ma	ay, Jun, Jul, Aug, S	ep, Oct, Nov, Dec	\$	
8.	Jan	, Feb, Mar, Apr, Ma	ay, Jun, Jul, Aug. S	ep, Oct, Nov, Dec	\$	
9.	Jan	, Feb, Mar, Apr, Ma	ay, Jun, Jul, Aug. S	Sep, Oct, Nov, Dec	\$	
10.	Jan	, Feb, Mar, Apr, Ma	ay, Jun, Jul, Aug. S	ep, Oct, Nov, Dec	\$	
TOTAL SITE FEE					\$2,700.00	
2. Acreage Fee \$5 X 522	number of ac	res bonded				
3. Annual Permit Fee					\$ 500	
4. Total Fee (Add totals from 1	I. 2 and 3)				.\$5 810 00	
NOTE: If Total Fee exceeds						
		· · · · · · · · · · · · · · · · · · ·				·
SECTION II. FEES: Sand or gr	avel operators m	ining less than 5	,000 tons per yea	ar:		
1. Annual Permit Fee					\$ 300	
SIGNATURE OF APPLICANT	- JJ -	55	TITLE Presiden	t	DATE 12/29)/()3
Appeared before me this 29				John M. Lut	tz	
NOTARY PUBLIC EMBOSSER SEAL	STATE OF	as their free acts	and deeds.	COUNTY (OR C	CITY OF ST. LOUIS)	
	Missour					
	SUBSCRIBED AND SWOR	· ·	VEAR OCC	Bates		FAG ABEL 551
ļ.	29th NOTARY PUBLIC SIGNATI	DAY OF Dec.	MY COMMISSION		SER STAMP IN CL	EAR AREA BELOW.
	Delibie	a. Reise	1-20-06		CEYPY ~	TOOODII
1	NOTARY PUBLIC NAME (YPED OR PRINTED)				t manny
FOR DEPARTMENT USE ONLY: APPROVED B	Debbie A. 1	Meiser DATE APPROVED	PERMI	T NUMBER	EXPIRATION	DATE



MISSOURI DEPARTMENT C ATURAL RESOURCES LAND RECLAMATION COMMISSION SITE INFORMATION FORM



To be completed for each separate area	of disturbance associate	ed with mining operations	MISSOUP! LAND RECLAMATION COMMISSION
SITE NAME OR NUMBER		PERMIT NUMBER	THE PERSON NAMED IN THE PERSON NAMED IN
#72 - Appleton City Quarry		0002	
COMPANY NAME			
Ash Grove Aggregates, Inc.			
COUNTY	1/4 SECTION		SECTION
Bates	NW		5
TOWNSHIP	RANGE		ACRES
39N	29W		185
RIVER OR STREAM NAME (FOR IN-STREAM ACRE			1
MINERAL COMMODITY		ESTIMATED TONS/YEAR (FO	OR GRAVEL SITES)
Limestone			
TIMESCOILE			
NAME OF LANDOWNER (ATTACH LIST IF MORE 1	THAN ONE)		
Harley W. Harvey & Harvey	Brothers Trucking	g & Wrecking Compan	ny, Inc.
ADDRESS			
Route 3 Box 42			
CITY		STATE	ZIP CODE
Appleton City		МО	64724
SOURCE OF RIGHT TO MINE (CHECK ONE):			DATE OF AGREEMENT
MINERAL DEED		LEASE	2/21/00
		VERBAL AGREEMENT	
WARRANTY DEED			
☐ OTHER (DESCRIBE):			
OTHER (DESCRIBE):	E THAN ONE)		
OTHER (DESCRIBE): MINERAL RIGHTS OWNER (ATTACH LIST IF MOR	E THAN ONE)		
	E THAN ONE)		
OTHER (DESCRIBE): MINERAL RIGHTS OWNER (ATTACH LIST IF MOR	E THAN ONE)		
MINERAL RIGHTS OWNER (ATTACH LIST IF MOR	E THAN ONE)		ZIP CODE
MINERAL RIGHTS OWNER (ATTACH LIST IF MOR Same as above ADDRESS	E THAN ONE)	STATE	ZIP CODE
MINERAL RIGHTS OWNER (ATTACH LIST IF MORSON Same as above ADDRESS	E THAN ONE)		
MINERAL RIGHTS OWNER (ATTACH LIST IF MORSON Same as above ADDRESS CITY SOURCE OF RIGHT TO MINE (CHECK ONE):	E THAN ONE)	STATE	ZIP CODE DATE OF AGREEMENT
MINERAL RIGHTS OWNER (ATTACH LIST IF MORSON Same as above ADDRESS CITY SOURCE OF RIGHT TO MINE (CHECK ONE):	E THAN ONE)	STATE	
MINERAL RIGHTS OWNER (ATTACH LIST IF MORSON Same as above ADDRESS CITY SOURCE OF RIGHT TO MINE (CHECK ONE):	E THAN ONE)	STATE	





TYPE OF PLAN (CHECK ONE):	2 0 500M
SHORT TERM, FOR ONE PERMIT YEAR	MISSOURI LAND
LONG TERM, FOR PERIOD THROUGH DATE: 2000-2050	RECLAMATION COMMISSION
DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLIC AND TOPOGRAPHY.	;ANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION
Steep hills/valleys on west side of lease area. Flat, areas.	pasture land on east and north
OPERATION DI ANI LA COR LO LO CONTOURNA	· ····································
OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.	
A. TOPSOIL	
AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
IN	ICHES YES OR X NO
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL	
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL	
Dozer to strip and store topsoil in areas where soil ex	ists. Approximately 1/3 of
original 60 acres has no topsoil. New are a has 0-12 in	iches of topsoil, depending upon
location	. , !
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION	
Topsoil piles will be rounded off and graded for minima	1 wash loss. Some seeding of
fescue and wheat may be done to stabilize. Straw bale	dams in areas of possible
siltation or erosion of topsoil.	dame in areas of possible
•	

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B. SPOI	L	
DESCRIBE	METHODS	AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL RECLAMATION COMMISSION
Spo	il will	be dozed into the previous box cut, so as to reclaim previous pit with spoil
hac	m new (k into	cut. Along outside cuts, spoil will be dozed onto previous spoil, then dozed place after limestone is removed. Spoil will also be used for safety berms
alo	ng outs	ride cuts.
	MATER	
DESCRIBE	METHODS	AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)
Non	e	
ı		
ı		
PIT I	NFORMA	TION (GIVE ALL DIMENSIONS IN FEET)
DESCRIBE	LOCATIO	N AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS
Pit	s in va	rious locations see map.
YES	NO	
		Will any execution be at as within fifty foot (EO') of the sight of way of any public road?
		Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
	KX	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any
		public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet
		or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is
! !		greater, unless a variance is granted by the Commission.)
	XX	Will any evenuation start at an within fifty fact (50% of any property line)
	47.67	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

MO 780-1327 (12-91)



		M SSOURI (AND
RECLAMATION PLAN 10 CSF	R 40-10.020(2)(D)2.	MECIAMATION COMMISSION
A. REVEGETATION (Attach a	dditional sheets, if needed)	
REVEGETATION MIX #1	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
	Pasture	Spring 3/15-4/15 Fall 9/10-10/1
DESCRIBE METHODS AND EQUIPMEN	T TO BE USED FOR SEEDING OR PLANTING	

Hired seeder/spreaders with seed and fertilizer blend made at time of delivery.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

STEMS/ACRE		SPECIES	TREE OR SHRU	UNDS/ACRE	SEEDED SPECIES	
				15	Fescue	
				5 30	Clover Oats or wheat	
	i			30/30/30	Fertilizer	
						1

VEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING T ME

Wildlife

Spring 3/15-4/15 Fall 9/10-10/10

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Hired seeder/spreaders with seed and fertilizer blend made at time of delivery.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard Grass	8		
Timothy	5		1
Red Top	3		
Red Clover	3		
Oats or wheat	30		
Fertilizer	30/30/30		
			i

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

	GR	40		^
*	Circ	A L	ı	

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

Soil will be graded to approximately match original contours of ground. Topsoil will be replaced, disked and seeded. Water areas will be dammed off.

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MISSOURI LAND RECLAMATION COMMISSION

C DESC	RIRE THE GENERAL	SEQUENCE AND TIMING	OF THE FOLLOWING ACTIVITIES	ES

GRADING

Grading will take place as overburden is removed. Grading will be completed within 12 months of the expiration or renewal of the permit under which the surface disturbance occurred.

REPLACEMENT OF TOPSOIL

Topsoil replacement shall be completed within 12 months after the expiration or renewal of the permit under which the surface disturbance took place.

REVEGETATION

Revegetation will occur at first planting season after replacement of topsoil.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES) 12" (revised 6/30/04) D. USE OF LAND WHEN RECLAIMED Estimate acreage of each land use below, after reclamation Wildlife (forest or other habitat with livestock excluded) 30 Agriculture (pasture, cropland, and horticultural) 117 Development (residential, industrial and recreational) Water impoundments (for wildlife, agricultre, or development) 20

MO 780-1327 (01-02)

PERMIT NO.

0002

SITE NO +/OR NAME

Pa

Page 4 of 5

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JUL 2 3 2004

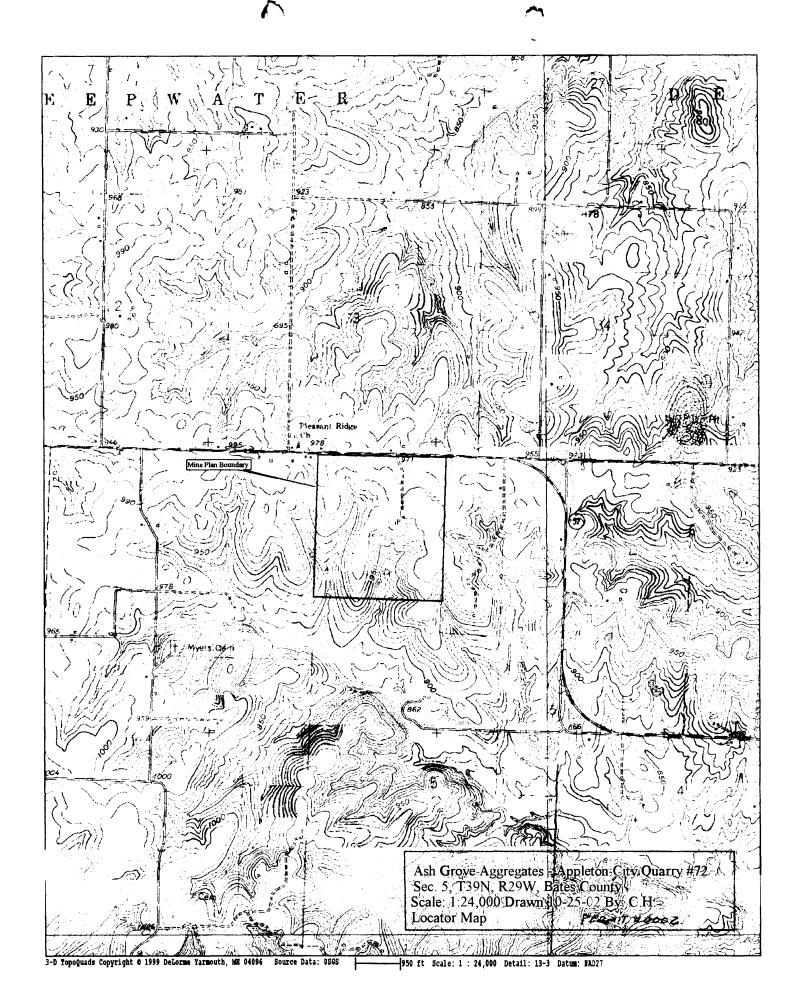
By my signature, I attest to the following:

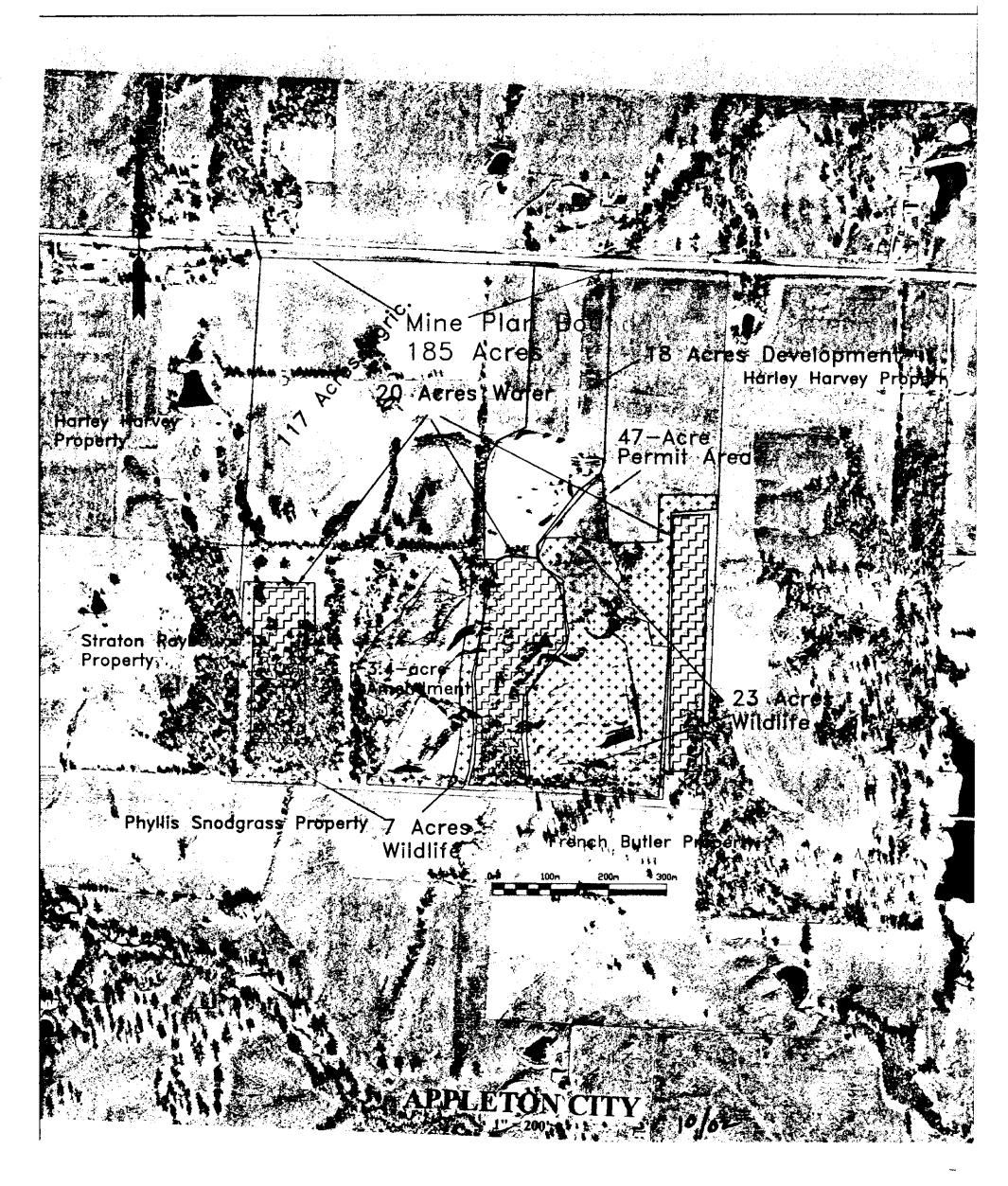
MISSOURI LAND RECLAMATION COMMISSION

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. For the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
- 4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
- 5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

CONTRACTOR OF A PRIVATE A					,
SIGNATURE OF APPLICANT		TITLE			
of Sund		Genera	al Manager		7/19/04
NOATRY PUBLIC EMBOSSER SEAL	STATE Missouri			COUNTY (OR CITY	OF ST. LOUIS)
	SUBSCRIBED AND SWO	ORN BEFOR	E ME, THIS	Bates	
		July	20 04	USE RUBBER STA	MP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNA Ollubri OH	TURE) LUSU	MY COMMISSION EXPIRES	DEBI	HE A KEISER CSTATE OF MISSOURI
	NOATRY PUBLIC NAME	(TYPED OF	PRINTED)	BAT	ES COUNTY ON EXP. JAN. 20,2006
	Debbie A. Keis	er			
FOR DEPARTMENT USE ONLY: APPR	OVED BY	(A.A.Y	DATE APPROVE		PERMIT NUMBER
Michael I Mhu	u.		7/28/0	<i>y</i>	000 Z
MO 780-1327 (01-02) PER	MIT NO.	SITI	E NO +/OR NAME		Page 5 of 5

____ SITE NO +/OR NAME _





Ashgrove Aggregates, Inc.

Permit #0002

Appleton City Quarry

Prepared by:

Prepared 5-25-04

7 Sul 7/15/04



MISSOURI DEPARTMENT NATURAL RESOURCES LAND RECLAMATION CC. ISSION

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SEE INFORMATION FORM MISSCURI LAIN PHERON PROPERTY RECLAMATION COMMISSION To be completed for each separate area of disturbance associated with mining operations. SITE NAME OR NUMBER PERMIT NUMBER Ash Grove Aggregates, Inc. 0002 Bolivar Quarry - #95 COMPANY NAME Ash Grove Aggregates, Inc. COUNTY 1/4 SECTION SECTION NE 1/4(Sec 29), SW 1/4(Sec 28) 28 and 29 Po1k TOWNSHIP ACRES 23W 80 34N RIVER OR STREAM NAME (FOR IN-STREAM ACRES) MINERAL COMMODITY ESTIMATED TONS/YEAR (FOR GRAVEL SITES) Limestone NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Ash Grove Aggregates, Inc. ADDRESS P.O. Box 70 CITY STATE ZIP CODE MO 64730 Butler SOURCE OF RIGHT TO MINE (CHECK ONE): DATE OF AGREEMENT MINERAL DEED LEASE WARRANTY DEED VERBAL AGREEMENT OTHER (DESCRIBE): MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Ash Grove Aggregates, Inc. ADDRESS P.O. Box 70 CITY STATE ZIP ____ MO 64730 **Butler** SOURCE OF RIGHT TO MINE (CHECK ONE): DATE OF AGREEMENT MINERAL DEED WARRANTY DEED VERBAL AGREEMENT

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.

OTHER (DESCRIBE): _

SHORT TERM, FOR ONE PERMIT YEAR	MISSOURI LAND	
LONG TERM, FOR PERIOD THROUGH DATE: June 1, 2136	RECLAMATION COMM	SSION
DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PER AND TOPOGRAPHY.	MITTING (BY APPLICANT OR I	PRIOR OPERATOR), INCLUDING SOIL, VEGETATION
Rolling topography with zero to two incl growth hardwoods and brush. The species of types mixed with a few cedars and sassafrass	trees on the site	
-	,	
DPERATION PLAN - 10 CSR 40-10.020(2)(D)1.		
A. TOPSOIL		
EXERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISS	ION PERMITTING	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
	INCHES	YES OR NO
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL		
Some topsoil will be stockpiled with doremoved and spread simultaneously by a scrape		The remainder will be
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AN	D PROTECTION	
The topsoil stockpiles will be seeded t	o prevent their er	osion.

KECEIVED MAR 7 1996

B. SPOI	L -	
		s and Location of Spoil Placement and Disposal RECLAMATION COMMISSION from the initial cut will be stockpiled temporarily on the original ground,
only	to be p	from the initial cut will be stockpiled temporarily on the original ground, pushed back into the pit and topsoiled at a later date. Once the initial cut tablished, spoil will be pushed off of the rock directly into the previous
C. ACID	MATER	IALS
		S AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)
None		
DIT II	NEODMA	TION (CIVE ALL DIMENSIONS IN FEET)
		TION (GIVE ALL DIMENSIONS IN FEET)
DESCHIBE	LOCATION	N AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS
	See en	closed map.
YES	NO	
	X	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
	⅓	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
X		Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

MO 780-1327 (12-91)



A. REVEGETATION (Attach add	itional sheets, if needed) // WishOlePriAND
REVEGETATION MIX #1	
MDOC Grass - Legume #1	PURPOSE OR LAND USE RECLAVIATION COMMISSION SEEDING OR PLANTING TIME Wildlife Habitat Early spring or late fal

After soil amendments of lime and fertilizer are made, a hired spreader truck will be used to broadcast the seed.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Wheat Orchard grass	60 10		
Ladino Clover	2		
Red Clover	6		
Korean Lespedeza	10		
VEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLA	INTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
		•	

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

1 5 A MAP 0	7 1996	U

	G			
О.				

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

MISSOURI LAND

PAGE 4 OF 5

RECLAMATION COMMISSION
The topography will be slightly rolling with not more than 25% of any sloped areas exceeding a grade of 3:1.

C.	DESCRIBE	THE	GENERAL	SEQU	ENCE	AND	TIMING	OF	THE	FOLL	.OWII	NG A	CTIVIT	IES

GRADING

The spoil will be graded after mining the rock.

Within 12 months of expiration of the permit.

REPLACEMENT OF TOPSOIL

After the newly replaced spoil is graded, topsoil will be spread out and prepared to be seeded.

Within 12 months of expiration of the permit.

REVEGETATION

Seeding of the topsoil will take place in the periods given in part A of the reclamation plan.

Within 24 months of expiration of the permit.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES) Six inches of a mixture of "A" and "B" horizon soils Combined will I	e 12 inches.
D. USE OF LAND WHEN RECLAIMED Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	80
Agricultural (pasture, cropland, and horticultural)	
Development (residential, industrial, and recreational)	
Water impoundments (for wildlife, agricultural, or development)	

MISSOURI LAND

By my signature, I attest to the following:

- RECLAMATION COMMISSION
- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where Lhave no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE ON APPLICANT	\bigcap	TITLE		DATE
Colu	Il de	President		
NOTARY PUBLIC EMBOSSER SFAL	STATE		COUNTY (OR CIT	TY OF ST. LOUIS)
	Missouri			
	SUBSCRIBED AND SWORN BEFORE	ME, THIS	Bates	
	23rd DAY OF Fe	bruary 19 96	USE RUBBE	R STAMP IN CLEAR AREA BELOW
		MY COMMISSION EXPIRES 1-20-98	NOTARY P	DEBBIE A KEISER UBLIC STATE OF MISSOURI BATES COUNTY
	NOTARY PUBLIC NAME (TYPED OR PRINTE) Debbie A. Keiser	D)		IISSION EXP. JAN. 20,1998
APPROVED BY (DIRECTOR'S REP	resentative) MEC, P.C.	DATE APPROVED 3/22/9	6	PERMIT NUMBER



MISSOURI DEPARTMENT OF ATURAL RESOURCES LAND RECLAMATION COMMISSION SITE INFORMATION FORM



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To be completed for each separate area				
To be completed for each separate area	or disturbance associate		ons.	MISSOURI LAND ECLAMATION COMMISSION
Ash Grove Aggregates Inc		PERMIT NUMBER	·	
Ash Grove Aggregates, Inc. Bolivar Quarry - #95		0002		
COMPANY NAME				
Ask Green Assessment				
Ash Grove Aggregates, Inc.	1/4 SECTION		SECT:ON	
300111	174 SEC : 1014		SECT.ON	
Polk	NE ¹ ₄ (Sec 29),	SW ¹ 4 (Sec 28)	28 and	29
TOWNSHIP	RANGE		ACRES	
34N	23		117	
RIVER OR STREAM NAME (FOR IN-STREAM ACF				
N/A MINERAL COMMODITY		SOTIMATED TONIONS	VEOD OF 11/51 2:3	250)
MINERAL COMMODITY		ESTIMATED TONS/YEAR	(FOR GRAVEL SI	ES)
Limestone				
NAME OF LANDOWNER (ATTACH LIST IF MORE	THAN ONE			
NAME OF EANDOWNER (ATTACH LIST IF MORE	I I HAN UNE)			
See Attachment "A"				
ADDRESS		-		· · · · · · · · · · · · · · · · · · ·
CITY		STATE	z	IP CODE
SOURCE OF SIGNATED AND ASSESSED.				
SOURCE OF RIGHT TO MINE (CHECK ONE):		ਓ ਹੋ	D	ATE OF AGREEMENT
MINERAL DEED		KX LEASE		7-1-98
WARRANTY DEED		☐ VERBAL AGREEMEN	т <u> </u>	<u> </u>
OTHER (DESCRIBE):				
MINERAL RIGHTS OWNER (ATTACH LIST IF MC	PRE THAN ONE)			
Same as landowner				
ADDRESS				
CITY		STATE	Ţ-	IP CODE
		JANE	2	OODE
SOURCE OF RIGHT TO MINE (CHECK ONE):			C	ATE OF AGREEMENT
MINERAL DEED		LEASE		
			_	
WARRANTY DEED		☐ VERBAL AGREEMEN	IT	
WARRANTY DEED OTHER (DESCRIBE):		L VERBAL AGREEMEN	ıτ	



MO 780-1327 (12-91)



JAN 2 2 2003

P.O. BOX 176 JEFFERSON CITY, MO 65102

PAGE 1 OF 5

TYPE OF PLAN (CHECK ONE):	0 <u>5 5</u>	2003
SHORT TERM, FOR ONE PERMIT YEAR	MISSOURI	LAND
\mathbf{X} long term, for period through date: June 1, 20	140 RECLAMATION C	OMMISSIO ^A
DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION TO POOGRAPHY.	ON PERMITTING (BY APPLICANT OR	PRIOR OPERATOR), INCLUDING SOIL, VEGETATION
IND TOPOGRAPHY.		
Slightly rolling hillside with native gr	asses, fescue and some	e timber scattered and inter-
mingled. Very little soil in most place		
percentage of cherty rock intermixed. L		
in large flat areas of the reserve conti		cone reages exposed as outcrops
DPERATION PLAN - 10 CSR 40-10.020(2)(D)1.		
A. TOPSOIL		
EVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION CO	MMISSION PERMITTING	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
	2 to 4 inches	YES OR X NO
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVE	VAL	
Dozers scrape off any possible topsoil t		
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORA	AGE AND PROTECTION	
The berm is peaked with minimum exposure	to metar runoff and	omonios on mandillo
The berm is peaked with minimum exposure	to water runoil and o	erosion as possible.

B. SPOIL	
DESCRIBE METHODS	AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL
dozers then	ually drilled and shot to help loosen the massive structure it is found in, and push it directly into the adjacent limestone pit. The depth of overburden s the depth of limestone removed from the reserves.
	RECEIVED
	JAN 2 2 2003
	MISSOURI LAND RECLAMATION COMMISSION
0 1015 1115	
C. ACID MATER	IALS S AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)
DESCRIBE METROUS	S AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WHITE NONE BELOW)
None	
	ATION (GIVE ALL DIMENSIONS IN FEET)
DESCRIBE LOCATIO	N AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS
	rectly north and south from an east/west centerline or main haul road. Reserves half of the property will not be removed as long pits, but rather as a more ck of rock.
YES NO	
	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)
MO 780-1327 (12-91)	PAGE 2 OF S

Seed spread only if need	ed by hired broadcast	spreader.	RECEIVED
			JAN 2 2 2003
			MISSOURI LAND GECLAMATION COMMISSION
e and fertilizer will be applied a be applied to all slopes exceeding	ccording to recommendations ng 5:1.	made, based on an analysis of so	oil texture and nutrients. Mu
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
escue Theat Tertilizer	15 30 17/17/17		
EGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING C	OR PLANTING TIME
be applied to all slopes exceeding	ng 5:1.	made, based on an analysis of so	
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

MO 780-1327 (12-91)

PURPOSE OR LAND USE

Industrial

B. SEEDING OR PLANTING TIME

as soon as grading complete

PAGE 3 OF 5

REVEGETATION MIX #1

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

Spoil will be graded to drain either to the northwest or the southeast. Topography will be relatively flat. Much of the spoil is rock. There is very little topsoil. What topsoil is left will be spread out and seeded. There will be one water impoundment of approximately one (1) acre on western side of property.

Side slopes requiring erosion control where topsoil and vegetation would not be effective will be graded and aggregate such as Type 1 Broken Rip Rap (12-24") will be placed so the jagged nature of the rip rap will interlock as a grid to protect the slope from erosion.

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JAN 2 2 2003

MISSOURI LAND TECLAMATION COMMISSION

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACT	IVITIES
GRADING	
Grading has taken place as overburden was removed. Final grade	ding will be completed shortly
REPLACEMENT OF TOPSOIL	
Very little topsoil is present. Will be distributed after fi	nal grading.
REVEGETATION	· · · · · · · · · · · · · · · · · · ·
Most of area will not require revegetation. What does, will grading is completed.	be seeded as soon as final
Sanata	
AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)	
AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES) N/A	
AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)	ESTIMATED ACRES
N/A D. USE OF LAND WHEN RECLAIMED	ESTIMATED ACRES
AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES) N/A D. USE OF LAND WHEN RECLAIMED Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES
AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES) N/A D. USE OF LAND WHEN RECLAIMED Estimate acreage of each land use below, after reclamation Wildlife (forest or other habitat with livestock excluded)	ESTIMATED ACRES
AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES) N/A D. USE OF LAND WHEN RECLAIMED Estimate acreage of each land use below, after reclamation Wildlife (forest or other habitat with livestock excluded) Agricultural (pasture, cropland, and horticultural)	ESTIMATED ACRES

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JAN 2 2 2003

By my signature, I attest to the following:

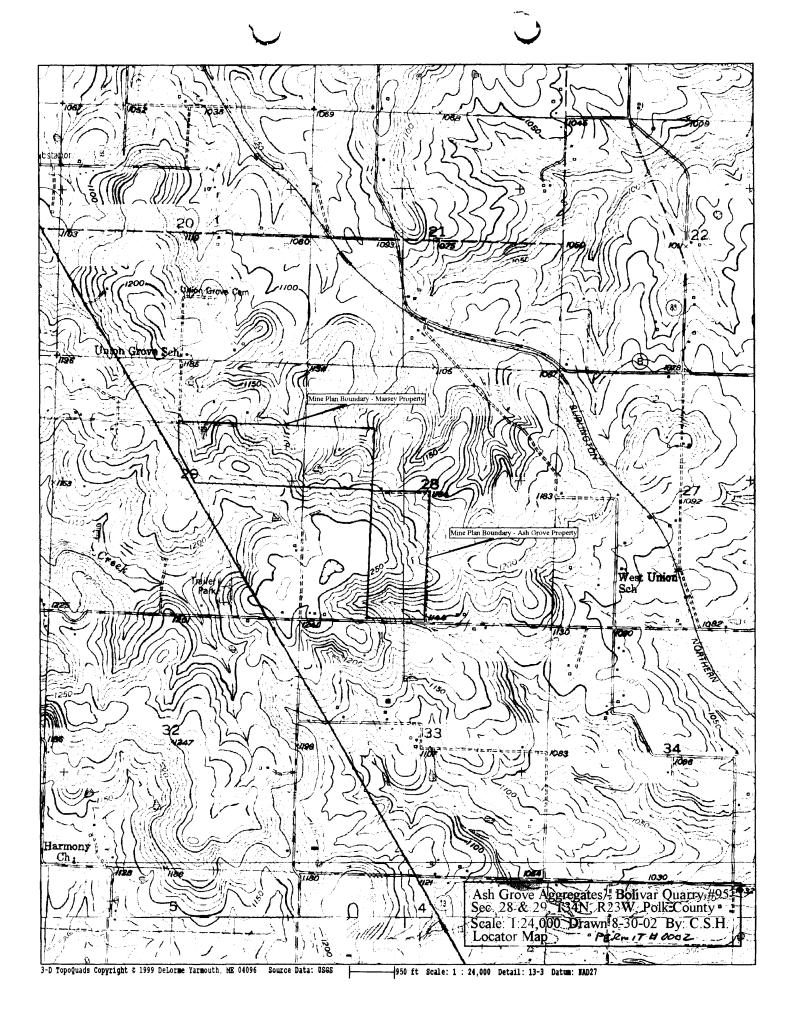
MO 780-1327 (12-91)

MISSOURI LAND RECLAMATION COMMISSION

PAGE 5 OF 5

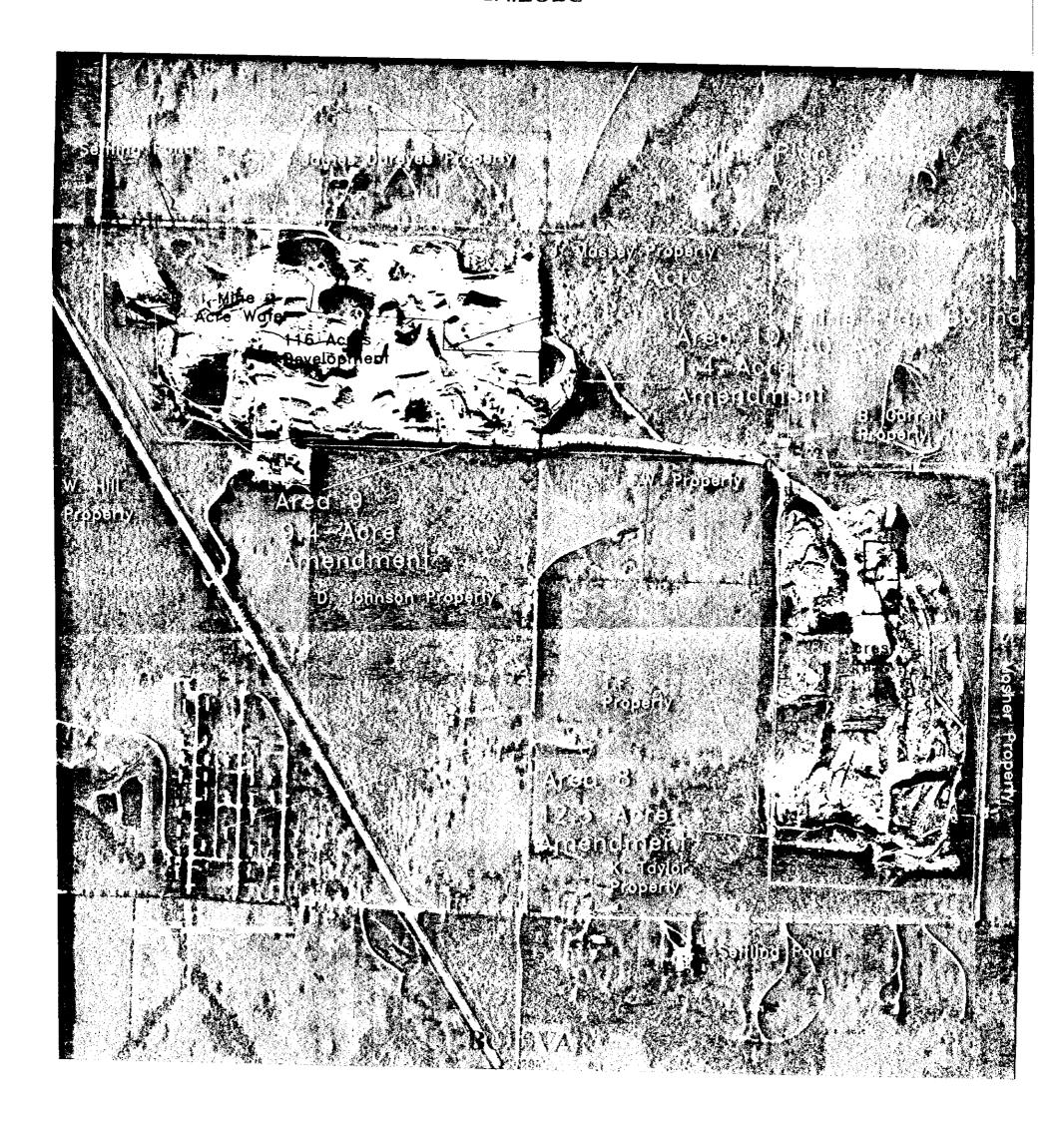
- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where Lhave no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT		TITLE		DATE	
John -	77 92	President		1-17-03	
NOTARY PUBLIC EMBOSER SEAL	STATE		COUNTY (OR CITY OF ST. LOUIS) Bates		
	Missouri SUBSCRIBED AND SWORN BEFORE ME, THIS				
	20 DAY OF Janu	ary x x2003	USE RUBBER STAMP IN CLEAR AREA BELOW		
	NOTARY PUBLIC SIGNATURE MY COMMISSI EXPIRES 1-20-0		DEBBIE A KEISER NOTARY PUBLIC STATE OF MISSOURI BATES COUNTY		
	NOTARY PUBLIC NAME (TYPED OR PRINTED)	MY COMMISSION EXP. JAN. 20,2006			
	Debbie A. Keiser				
APPROVED BY (DIRECTOR'S REPRESENTATIVE)		DATE APPROVED OI / 27/03		PERMIT NUMBER	



1002 8 3 7004

BECEINED



Ashgrove Aggregates, Inc. Permit #0002

Bolivar Quarry Prepared by:
Prepared 5-25-04

MISSOURI DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION COMMISSION

P.O. Box 176 Jefferson City, MO 65102

SITE INFORMATION FORM (to be completed for each separate area of disturbance associated with mining operations)

Site name or numb	er Permit	number	Company name				
Buffalo - 93		91-002		 Batesco Quarries-Di		Union Quarries Inc	
County 1/4	section	tion Section		hip R	ange	Acres	
allas SE 1/4		29	34N		19W	j I 65	
River or stream of (for in-stream ac	Mineral (commodi	ty E	stima: for g	timated tons/ year or gravel sites)		
····		Limestone	2				
Name of landowner (attach list if mathematical than one)	ddress	iress		i			
chair one;			State Zi		.p		
Lanny P. Doty	ute 2 Box 74			65644			
Source of right t	co mine (che	ck one):			Date	e of agreement	
Mineral dee Warranty de	eed	Lease Verbal	agreeme	nt	9/	20/88	
Mineral rights ov (attach list if r	ddress	dress C.					
than one)			Elkland				
	i			State	Zip		
Lanny P. Doty	l.	ute 2 Box 74		МО		644	
Source of right to Mineral dec	ck one):				Date of agreement		
Warranty de Other (desc	Verbal	Verbal agreement			9/20/88		

EACH SITE MUST BE SHOWN ON A MAP AND BE INCLUDED IN A PUBLIC NOTICE AND AN APPROVED MINE PLAN

Form LRP-SF1

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Page 1 of 1

MAR 01 1994

MISSOURI LAND RECLAMATION COMMISSION

P.O. Box 176 Jefferson City, MO 65102

MINE PLAN FORM

Type of plan Short term, for one permit year (check one): X Long term, for period through date: 1992 - 2025						
Description of site prior to Land Reclamation Commission Permitting (by applicant or prior operator), including soil, vegetation and topography	Ī					
Steep hill, rock bluffs, tree and brush covered. No topsoil: sandy loam with floating chert sediments compose overburden.						

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. Topsoil

Average depth of topsoil, Is topsoil to be prior to Land Reclamation | sold or discarded Commission Permitting: None inches offsite? (Y or (N): Describe methods and equipment used for topsoil removal None.

edit of their sec

Describe methods and equipment used for topsoil storage and protection None.



MISSOURI LAND RECIAMATION COMMISSION

The seed mix will be broade	Wildlife OBE USED FOR SEEDING OR e immediate seeding cast and harrowed or	SEEDING OR PLANTING TIME Spring - March 15 thr Fall - Sept. 10 thr PLANTING time following placement of top	u Oct. 10
ESCRIBE METHODS AND EQUIPMENT T Seeding will be done in the The seed mix will be broade ime and fertilizer will be applied according to according 5:1.	Wildlife OBE USED FOR SEEDING OR e immediate seeding cast and harrowed or	SEEDING OR PLANTING TIME Spring - March 15 thr Fall - Sept. 10 thr PLANTING time following placement of top mulched.	u May 15 u Oct. 10 soil/overburden.
ESCRIBE METHODS AND EQUIPMENT T Seeding will be done in the The seed mix will be broadd	Wildlife OBE USED FOR SEEDING OR e immediate seeding cast and harrowed or	Spring - March 15 thr Fall - Sept. 10 thr PLANTING time following placement of top mulched.	u Oct. 10
Seeding will be done in the The seed mix will be broadd in the broadd in the seed mix will be broadd in the broadd in the seeding to see and fertilizer will be applied according to see a seeding 5:1.	OBE USED FOR SEEDING OR e immediate seeding cast and harrowed or	Fall - Sept. 10 thr PLANTING time following placement of top mulched.	u Oct. 10
Seeding will be done in the The seed mix will be broaded with the broaded with the broaded with the seed mix will be applied according to exceeding 5:1.	OBE USED FOR SEEDING OR e immediate seeding cast and harrowed or	PLANTING time following placement of top mulched.	soil/overburden.
Seeding will be done in the The seed mix will be broadd in the broadd in the seed mix will be broadd in the broadd in the seeding to see and fertilizer will be applied according to see a seeding 5:1.	e immediate seeding cast and harrowed or	time following placement of top mulched.	
xceeding 5:1.	o recommendations based upon :	soil test analyses from a qualified soils lab. Muich w	
SEEDED SPECIES			ill be applied to all slopes
	POUNDS / ACRE	TREE OR SHRUB SPECIES	STEMS / ACRE
Orchard Grass Timothy Red Clover Kobe Lespedeza Wheat Fertilizer 17/17/17	20 5 6 5 25 300		
•	PUPOSE OR LAND USE	SEEDING OR PLANTING TIME	
N/A			
ESCRIBE METHODS AND EQUIPMENT T	O BE USED FOR SEEDING OR	Revised and ovil	11/7 e sedisar
		Ameno	
Lime and fertilizer will be applied according to exceeding 5:1.	o recommendations based upon	soil test analyses from a qualif	rui be applied to all slopes
SEEDED SPECIES	POUNDS / ACRE	TREE OR SHRUB SPECIES	STEMS / ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITONAL SEED MIXES.

MO 700 4007 (04 00)

0002

#93 Buffalo

SEP 1 3 2004

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES	TECLAMATION COMMISSION
Completed area will slope generally to the South, spoil will bottom of cuts. Spoil will be leveled, graded and used as st	
C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES	
GRADING	
Spoil will be leveled, drained and several small water sheds	built to the east.
Grading will take place as overburden is removed, or as soon will be completed within 12 months of the expiration of the paths surface disturbance occurred.	as practical. Grading permit, under which
REPLACEMENT OF TOPSOIL	
None	
	j
REVEGETATION	
Seeding and fertifilization shall occur at the first such opposite place.	portunity after soil is leveled
Revegetation efforts will be completed during the first plan	ting season following grading. M
AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)	
None (revised 9/04)	
D. USE OF LAND WHEN RECLAIMED	ESTIMATED ACRES:
Estimate acreage of each land use below, after reclamation	
Wildlife (forest or other habitat with livestock excluded)	15
Agriculture (pasture, cropland, and horticultural)	
Development (residential, industrial and recreational)	50
Water impoundments (for wildlife, agricultre, or development)	
MO 780-1327 (01-02) PERMIT NO	93 Buffalo Page 4 of 5

B. GRADING

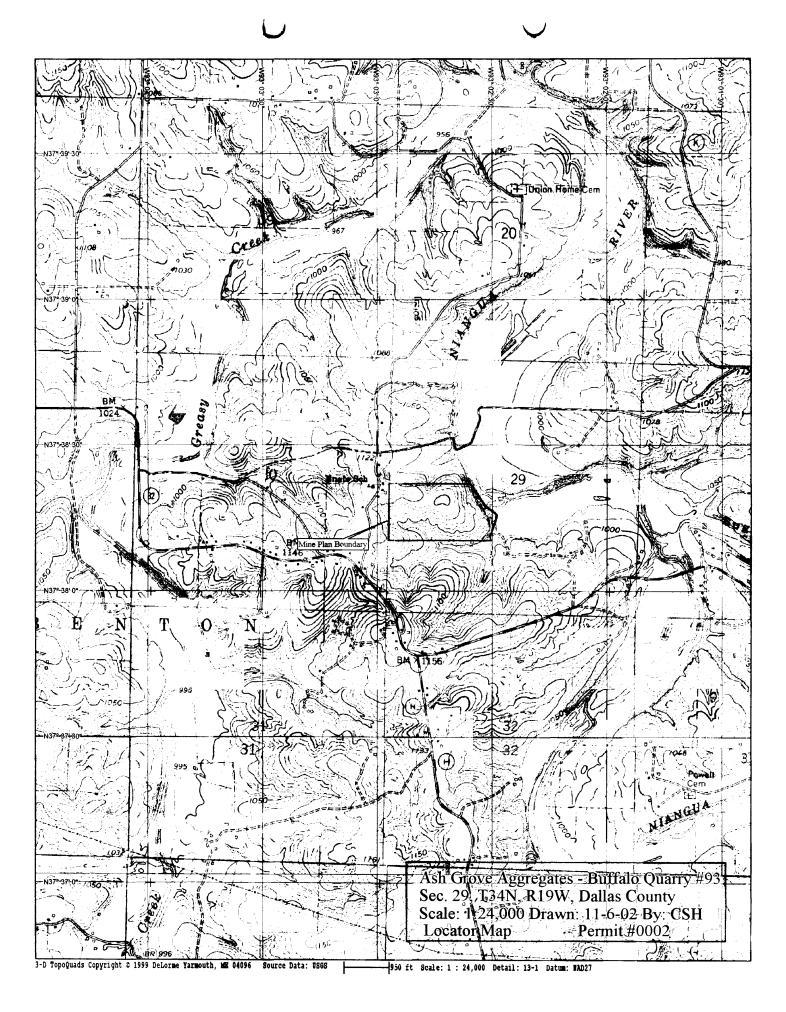
JUL 2 3 2004

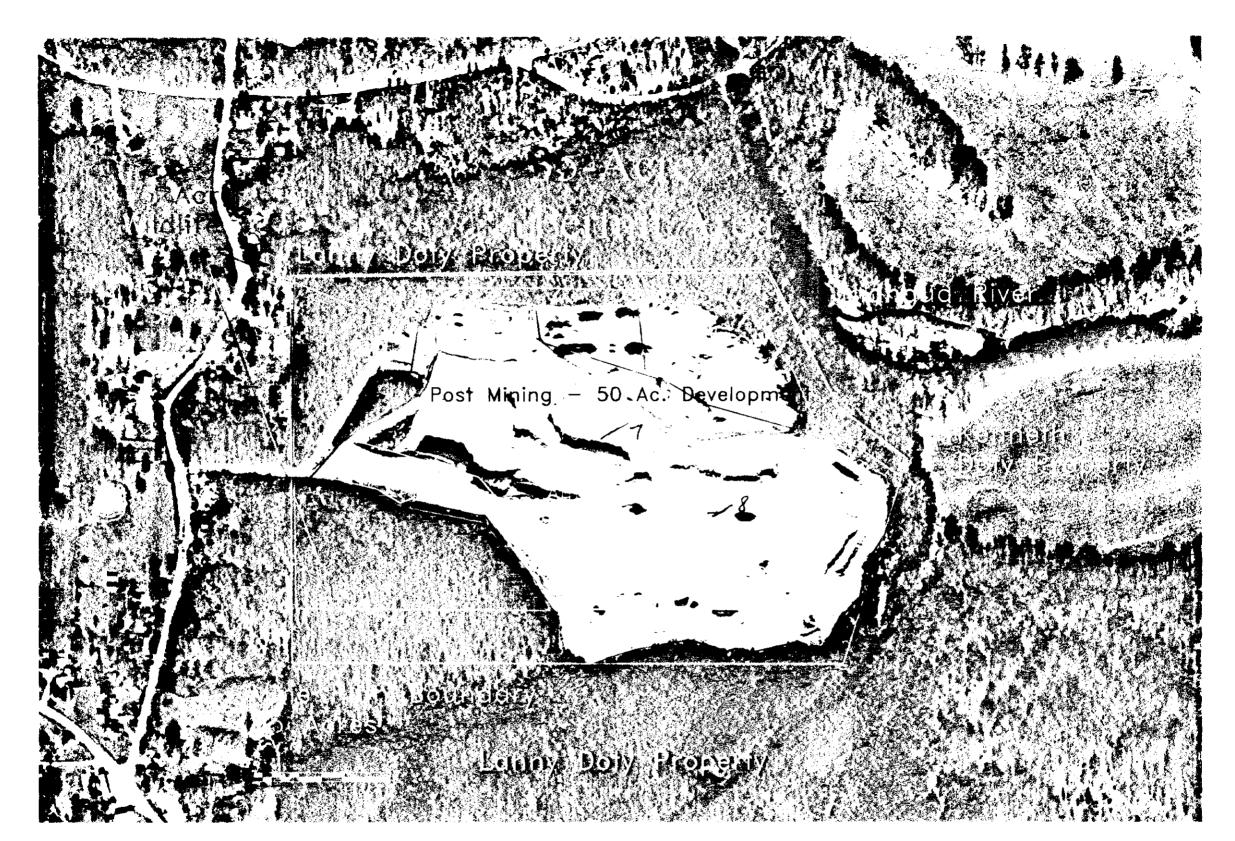
MISSOURI LAND RECLAMATION COMMISSION

By my signature, I attest to the following:

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
- 4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
- 5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT	TITLE	E	DATE
25 C	7	eneral Manager	7/19/04
NOATRY PUBLIC EMBOSSER SEAL	STATE Missouri		COUNTY (OR CITY OF ST. LOUIS)
	SUBSCRIBED AND SWORN B	BEFORE ME, THIS	Bates
	19 DAY OF July		USE RUBBER STAMP IN CLEAR AREA BELOW
	Delive a few	E MY COMMISSION EXPIRES 1-20-06	DEBBIE A KEISER NOTARY PUBLIC STATE OF MISSOURI
	NOATRY PUBLIC NAME (TYP	PED OF PRINTED)	BATES COUNTY MY COMMISSION EXP. JAN. 20,2006
FOR DEPARTMENT USE ONLY: APPR		DATE APPROVE	
MO 780-1327 (01-02) PER	MIT NO.	SITE NO +/OR NAME	Page 5 of 5





Ashgrove Aggregates, Inc. Permit #0002

Buffalo Quarry

Prepared by: Prepared 5-25-04

HEURIVED

JUL 2 3 7004

MISSOURI LAND RECLAMATION COMMISSION

MISSOURI DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION COMMISSION

P.O. Box 176 Jefferson City, MO 65102

SITE INFORMATION FORM (to be completed for each separate area of disturbance associated with mining operations)

Site name or	number	Permit	number	Compa	any name	!	
Butler - 71		91-002	2	Bates	co Quarrie	s, Div	. Union Quarries I
County	1/4 sec SE 1/4		Section 19	Towns	hip A	ange	Acres
Bates	SW 1/4,	NW 1/4	20, 30	401	N 3	3 LW	221
River or str (for in-stre)	Mineral o	commod.	ity E	stima for g	ted tons/ year ravel sites)
			Limestone				
Name of land	OWNER	1 2	ddress		City		
(attach list			271035		i -		
than one)]			Overland		
		l a	900 Indian Cr	eek	State	Zip	
sh Grove Cament	Company	P	arkway	KS		66225	
Source of ri		ine (che	ck one):	 	<u>, </u>	Dat	e of agreement
Minera	l deed		Lease				
X Warran Other	ty deed (describe	•):	Verbal {	agreem	ent		
Mineral righ	ts owner	A	ddress		City		
(attach list than one)	: if more	1			Overla	nd Park	
		į			State	Zip	
Ash Grove Cemen	t Company	89 Pa	00 Indian Cre rkwey,	ek	KS	662	25
Source of ri	ght to m		ck one): Lease			Dat	e of agreement
X Warran	ity deed		Verbal	agreem	.ent		

EACH SITE MUST BE SHOWN ON A MAP AND BE INCLUDED IN A PUBLIC NOTICE AND AN APPROVED MINE PLAN

Form LRP-SF1

Other (describe):

Page 1 of 1

MISSOURI DEF"RI NT OF NATURAL RESOURCES LAND RECLAMA ON COMMISSION

P.O. Box 176 _t_reon City, MO 65102

MINE PLAN FORM

Type of plan Short term, for one permit year (check one): X Long term, for period through date: 1992 - 2025	1
Description of site prior to Land Reclamation Commission Permitting (by applicant or prior operator), including soil, vegetation and topography	1
Slight rolling land cleared of most trees and currently in CRP (set aside). Several ponds on East reserves. Southwest area is shop and storage (industrial site) areas.	

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. Topsoil

Describe methods and equipment used for topsoil removal

Dozers strip topsoil prior to removal of overburden and stockpile adjacent to areas reclamation will be completed on. Topsoil typically parallels box cut of pit.

Describe methods and equipment used for topsoil storage and protection

Round mounds and grade for minimal wash loss - some seeding or fescue and wheat to stabilize higher banks - straw bale dams in areas of possible siltation or erosion of stored topsoil.

Page 1 of 5

	02/28/01 WED 11:30 FAX 1 660 679 5751 ASH GROVE AGGREGATES	2 1 (
K.	. Spoil	- `
Ţ	Describe methods an location of spoil placement and disposal	
	Spoil dozed into previous box cut, so as to reclaim previous pit with spoil from new cut. Along outside cuts, spoil dozed over previous spoil until stone is removed and spoil pushed back into cut - also used for safety berms on outside cuts.	
		Ì
<u>_</u>	. Acid materials	
<u> </u>	Describe methods and equipment used for handling acid materials (if none is anticipated, write "none" below)	
	None.	
무). Pit information (give all dimensions in feet) Describe location and orientation of pit, if not clear on site maps	
	Pits in various locations - See map 2	
į		
+	No Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?	
ļ	right-or-way or any public road:	

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

REC	IA_ON PLAN - I	O CSR 40)-10.()()(D)2.	
A. Revegetation (att	wch additional s	heets,	1 needed)	1
Revegetation mix	Purpose or land	7.20	B. Seeding or I Spring - March 15	to April 15
	Pasture		Fall - Sapt. 10	to Oct. 10
Describe methods an	d equipment used	for see	ding or planting	
Coop hired seeder/sprea	down with seed and	fertilizer	· bland made at time	of delivery.
Disked after seeding fo	r proper incorporat	ion. Sec	map 1.	VI 00111/01/
# 1000 000 000 000 000 000 000 000 000 0			•	į
				!
				1
Lime and fertilizer	will be applied	i accordi	ng to recommenda	tions made,
based on an analysi	s of soil textur	re and nu	itrients. Mulch	will be
applied to all slor Seeded species	Pounds/Acre	Tree or	shrub species	Stems/ Acre
Deeded Species	1 04.1457 11.020			
Fescue	15			
Clover	5 1 30			
Oats Fertilizer	30/30/30	 		ł
	1			
	į	į		
			•	
] 		
			D Conding on	-1 +3ma
Revegetation mix #2	Purpose or land	use	B. Seeding or	· brauering crwe
i			·	
Describe methods as	nd equipment used	d for se	eding or plantin	g
				ļ
			* * # 4	
 Lime and fertilize:	r will be applied	d accord	ina to recommend	ations made,
based on an analys.	is of soil textu	re and n	utrients. Mulch	will be
applied to all slop	pes exceeding 5:	1.		
Species	Pounds/Acre	Tree o	r shrub species	Stems/ Acre
i		İ		
!				
ł 		1		4
1		1		1

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES

Page 3 of 5

DESCRIPE PROPOSED RECLAIMED TOPOGRAPHY INICI LIDING SI ORES	
DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES	
Slightly rolling topography with not more than 25%	of the sloped areas exceeding a
grade of 3:1.	RECEIVED
	JUL 2 3 2004
	MISSOURI LAND
	RECLAMATION COMMISSION
C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIV	/ITTIES
GRADING	
Within 12 months of expiration of the permit.	
REPLACEMENT OF TOPSOIL	
Within 12 months of expiration of the permit.	
REVEGETATION	
Within 24 months of the expiration of the permit.	
average DEPTH OF REPLACED TOPSOIL (. combined 12" (revised 6/30	/04)
D. USE OF LAND WHEN RECLAIMED Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	191
Agriculture (pasture, cropland, and horticultural)	
Development (residential, industrial and recreational)	15
Water impoundments (for wildlife, agricultre, or development)	15
MO 780-1327 (01-02) PERMIT NO SITE NO +/	OR NAME #71 Butler Page 4 of 5

B. GRADING

JUL 2 3 2004

MISSOURI LAND RECLAMATION COMMISSION

By my signature, I attest to the following:

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
- 4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
- 5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

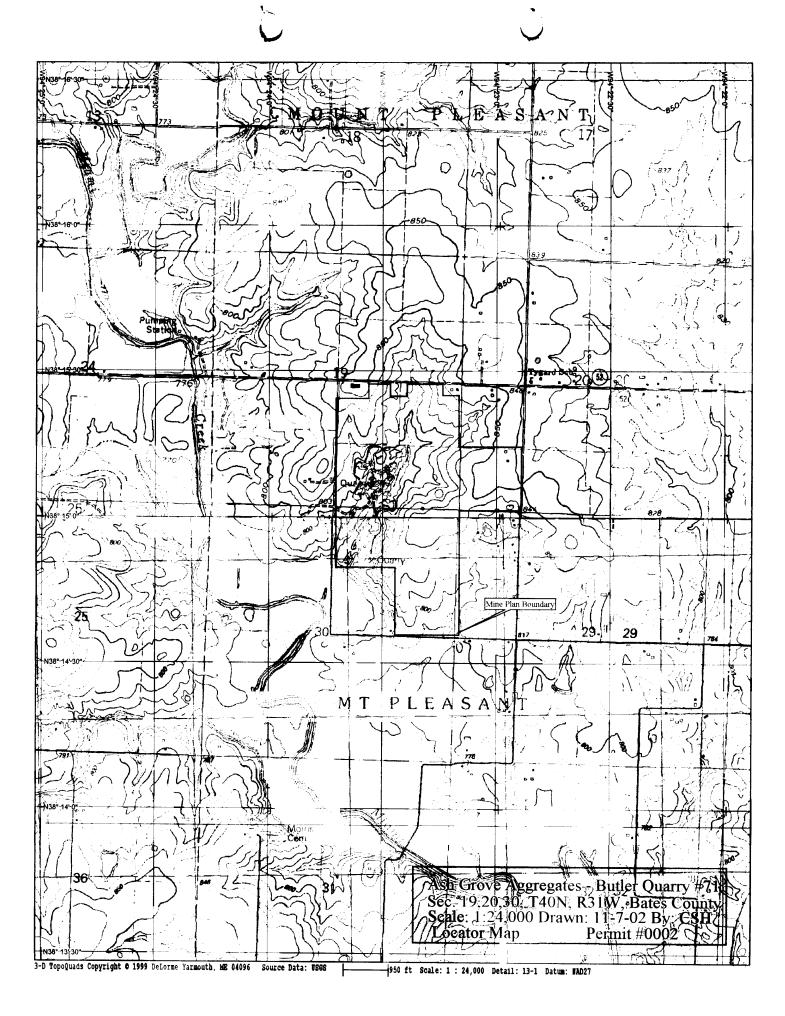
SIGNATURE OF APPLICANT	0	TITLE			DATE
g Sitt	Κ	Genera	al Manager		7/19/64
NOATRY PUBLIC EMBOSSER SEAL	STATE Missouri			COUNTY (OR CITY	OF ST. LOUIS)
	SUBSCRIBED AND SW		E ME, THIS	Bates	
	19 DAY OF	July	20 04	USE RUBBER STA	MP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGN	ILLULU TUULU	MY COMMISSION EXPIRES	NOTARY PUBLIC	IE A KEISER CSTATE OF MISSOURI ES COUNTY
	NOATRY PUBLIC NAM		PRINTED)		25 COUNTY ON EXP. JAN. 20,2006
PARTMENT USE ONLY: APPR	OVED BY		DATE APPROVE		PERMIT NUMBER

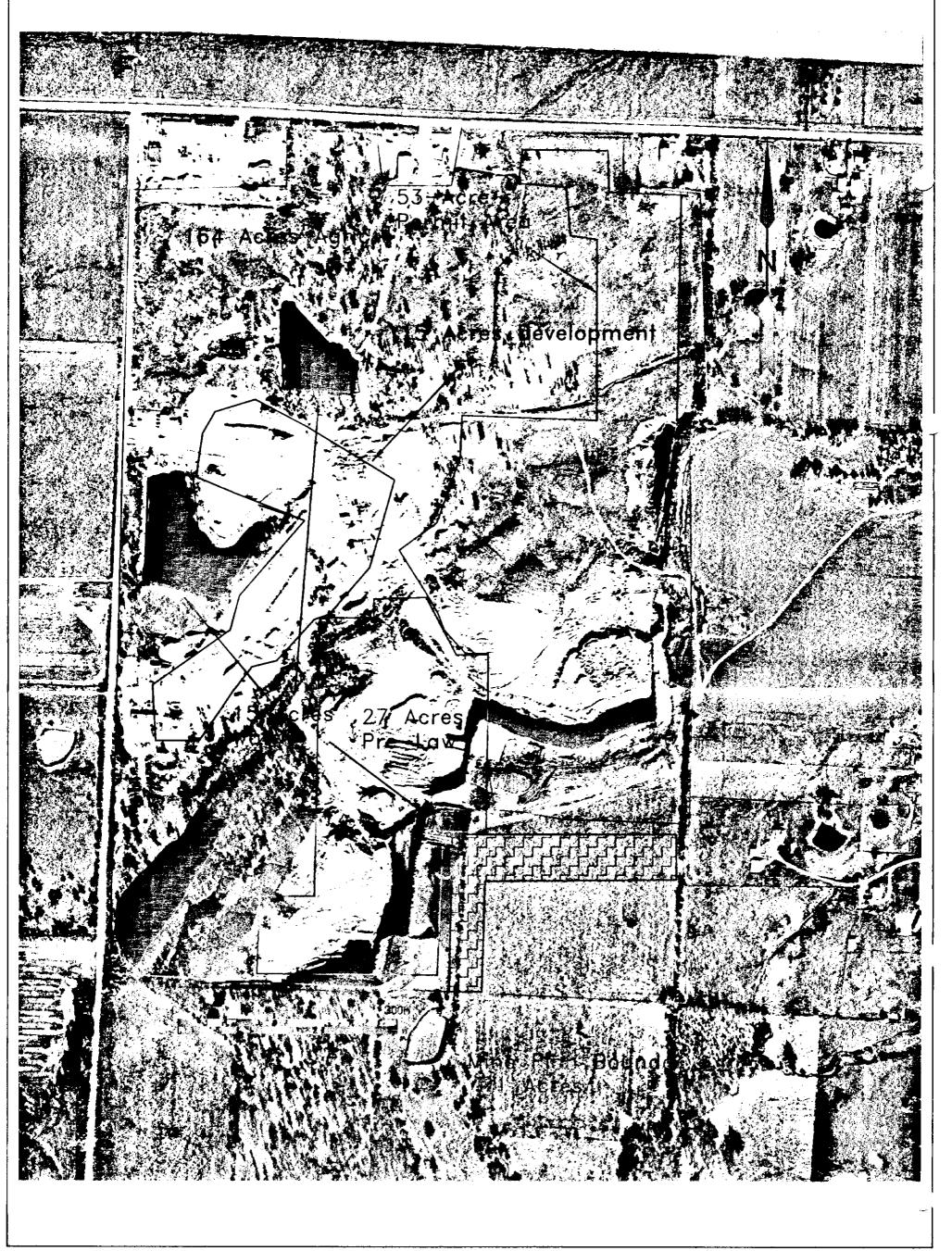
MO 780-1327 (01-02)

PERMIT NO. _____ SITE

____ SITE NO +/OR NAME _____

Page 5 of 5





Ashgrove Aggregates, Inc.
Permit #0002
Butler Quarry
Prepared by:
Prepared 5-25-04

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MISSOURI LAND RECLAMATION COMMISSION

7/15/04

P.O. Box 176 Jefferson City, MO 65102

SITE INFORMATION FORM (to be completed for each separate area of disturbance associated with mining operations)

Ī	Site name or	number	Permit	number	Company na	ame		Ī
	Cliquot - 91		91-002		 Batesco Quari	ries-Div U	nion Quarries Inc.	i
	County	1/4 sec	tion	Section	Township	Range	Acres	
	Polk	SE 1/4 NE 1/4		5 8	 34n	23W	97.38	
 	River or stre			Mineral (commodity		ted tons/ year ravel sites)	-
				Limestor	ne			L
ī	Name of lando	owner	Ac	idress	City			ī

	Name of landowner (attach list if more than one)	Address 	City Overland	Park	1
	Ash Grove Cement Company	8900 Indian Creek Parkway	State KS	Zip 66225	
1	Source of right to mine Mineral deed	(check one):		Date of agreement	
	<pre>Warranty deed Other (describe):</pre>	Verbal agree	ement		

	ights owner ist if more	Address 	City Overland	Park
		j 8900 Indian Creek	State	Zip
Ash Grove Ce	ement Company	Parkway	KS	66225
Min	right to mine (eral deed ranty deed	check one):Lease Verbal agre	ement	Date of agreement
Oth	er (describe):	-	•	

EACH SITE MUST BE SHOWN ON A MAP AND BE INCLUDED IN A PUBLIC NOTICE AND AN APPROVED MINE PLAN

Form LRP-SF1

RECEIVE D Page 1 of 1

MAR 01 1994

MISSOUKI LAND
RECLAMATION COMMISSION

P.O. Box 176 erson City, MO 65102

MINE PLAN FORM

Type of plan Short term, for one permit year (check one): x Long term, for period through date: 1992 - 2025
Description of site prior to Land Reclamation Commission Permitting (by applicant or prior operator), including soil, vegetation and topography
Typical Ozark hills: dense timber cover, clay-chert type soil with no overburden ("topsoil"). Eastern edge is high point of hill, falling steeply to the West.
•

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. Topsoil

Average depth of topsoil, prior to Land Reclamation sold or discarded Commission Permitting: None inches offsite? (Y or N):

Describe methods and equipment used for topsoil removal

Overburden is removed with dozer and pushed westwardly. Depth ranges from 8' to 0' with ledges outcropping along the west side of property.

Describe methods and equipment used for topsoil storage and protection

No topsoil is existent for removal or storage.



MISSCURI DAND

RECLAMATION COMMISSION

B. Spoil	
Describe methods and location of spoil placement and disposal	
Condition depend to the super and levelation and of the	
Spoil is dozed to the west and leveled to match floor of pit.	!
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	.
	i
\mathbf{o}	ļ
The state of the s	l
	1
C. Acid materials	
Describe methods and equipment used for handling acid materials (if none is anticipated, write "none" below)	-
\\\ 22 \tag{10.00 \tag{10.	i
None.	į
	ļ
	l
	i
	!
	i
D. Pit information (give all dimensions in feet) Describe location and orientation of pit, if not clear on site maps	 i
Describe location and offentation of pit, if not clear on site maps	
Pit runs north and south and is expanded as reserves are taken out. This location	j
has not been mined for several years and reserves are being held for future use. See map 12.	
Jee map 12.	
	i
	j
	ļ
	i
	一
No Will any excavation be at or within fifty feet (50') of the	ļ
right-of-way of any public road?	ł
No Will any highwall consisting of unconsolidated materials be	i
left within fifty feet of the right-of-way of any public road?	j
(NOTE: For unconsolidated materials left in place, a slope of	, !
no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way	4
than fifty feet or twenty-five feet plus one and one-half	į
(1-1/2) times the depth of unconsolidated material, whichever	į
is greater, unless a variance is granted by the Commission.)	ļ
No Will any excavation start at or within fifty feet (50') of any	
property line?	ĺ
(NOTE: If the answer is "yes", a safety barrier may be needed.))

RECLAMATION PLAN - 10 CSR 40-10.02 2)(D)2. A. Revegetation (attach dditional sheets, if needed)

B. Seeding or planting time Spring - March 15 to April 15 Revegetation mix | Purpose or land use Fall - Sept 10 to Oct. 10 Water Impoundment

Describe methods and equipment used for seeding or planting

Coop hired seeder/spreaders with seed and fertilizer blend made at time of delivery. Disked after seeding for proper incorporation.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be

applied to all slopes exceeding 5:1.

Seeded species	Pounds/Acre	Tree or shrub species	Stems/ Acre
Fescue Clover	15		
Oats Fertilizer	30 30/30/30		

Revegetation mi: #2	x Purpose or land	use B. Seedin	ng or planting t	ime
Describe method	s and equipment use	d for seeding or pl	lanting	
	•	The same of the sa		
Lime and fertil	izer will be applie	d according to reco	ommendations made	Α.
based on an ana	izer will be applie lysis of soil textu	re and nutrients.		e,
based on an ana applied to all	lysis of soil textu slopes exceeding 5:	re and nutrients.	Mulch will be	e, cre
based on an ana applied to all	lysis of soil textu slopes exceeding 5:	re and nutrients. 1. Tree or shrub spe 	Mulch will be	
based on an ana applied to all	lysis of soil textusions of soil	re and nutrients. 1. Tree or shrub spe 	Mulch will be	
based on an ana applied to all	lysis of soil textuslopes exceeding 5: Pounds/Acre	re and nutrients. 1. Tree or shrub specific properties of the contract of th	Mulch will be ecies Stems/ Add EIVED	
based on an ana applied to all	lysis of soil textusions of soil	re and nutrients. 1. Tree or shrub specific properties of the contract of th	Mulch will be	
based on an ana	lysis of soil textuslopes exceeding 5: Pounds/Acre	re and nutrients. 1. Tree or shrub specific properties of the sh	Mulch will be ecies Stems/ Add EIVED	

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES

C. GRADING, TOPSOILING AND REVEGETATION

Describe proposed reclaimed topography, including slopes

Reclamation will progress after location becomes an active location again. Pit area will remain flat, exposed and available for use as a storage area. Spoil will be leveled to the west of the pit and due to extreme sand and chert content, probably not support any precise type of vegetation. A large lake will receive most run-off from the pit and mining area, providing a source of water and a control of rainwater discharge.

Describe the general sequence and timing of the forming activities

Grading

As reserves are stripped and exposed, they will be graded to a level contour west of the pit area.

Replacement of topsoil

None anticipated.

Revegetation

Unknown, at this time, if any vegetation can be supported.

Average depth of replaced topsoil (inches):

None - See above

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

4

Form LRP-MP1

Page 4 of 5

Balance of undisturbed acres

63.38

(Revised 2/24/94)

		to the following: on this Mine Plan Form are t of my knowledge.	orrect, complete,
2)	in accordance with the Missouri Land R 444.789, RSMo (Supp decisions and permi	am authorized to represent in this Mine Plan Form, and in a eclamation Act, Sections 444. 1990), and all rules, regul ts of the Missouri Land Recla mpany's surface mining operat	ccordance with 760 through ations, orders, mation Commission
3)	I have obtained the post-reclamation la	approval of all landowner's nd uses.	for all proposed
4)	right to grant acce Reclamation Commiss I grant such access	ement with all landowners whi ss to the Director of the Mis ion and his authorized repres, and further where I have no attached signed affidavits f such access.	souri Land entatives, and right to grant
	ure of applicant	Title	Date
\bigcirc x	plu Il De	Vice President	Jan. 15, 1992
Appear	ed before me this _	15th Day of January	, 19 <u>92</u> ,
	hn M. Lutz secuted the above as	to me personal their free acts and deeds.	ly known,
_	r Public: bre a Leiser	My Commission Expires on:	Jan. 20 , 19 94

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	MAR 01 1994	U

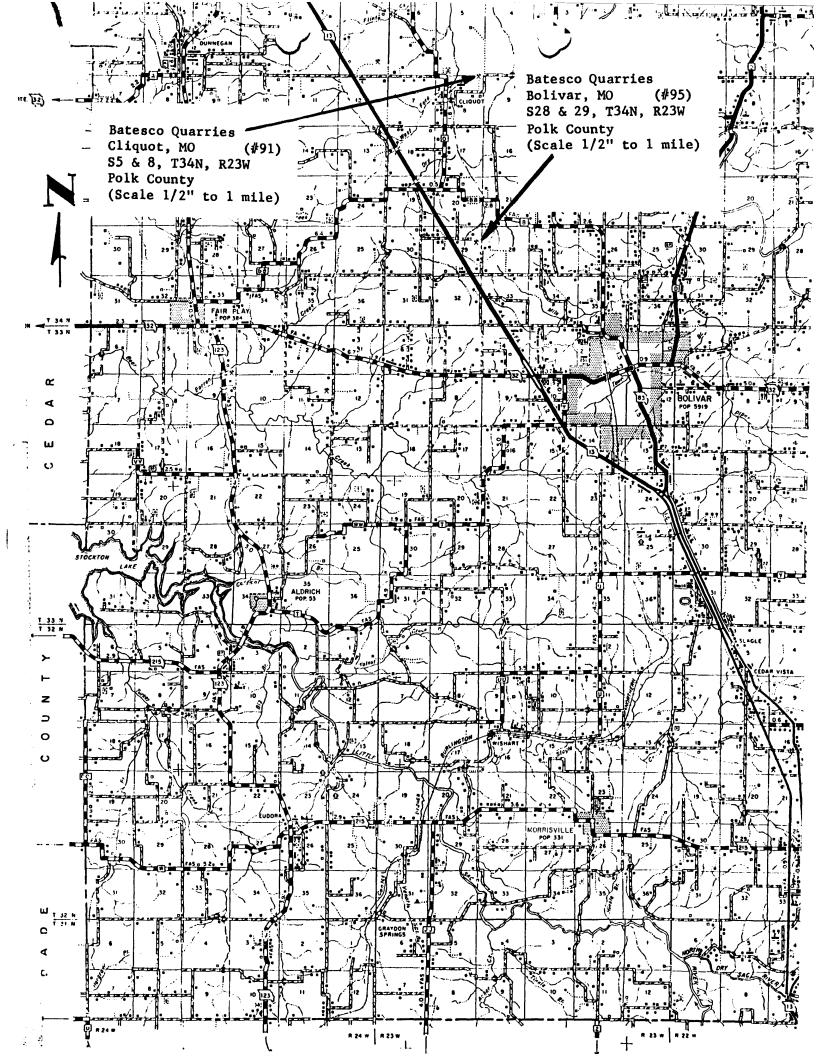
Approved by (Director's representative)

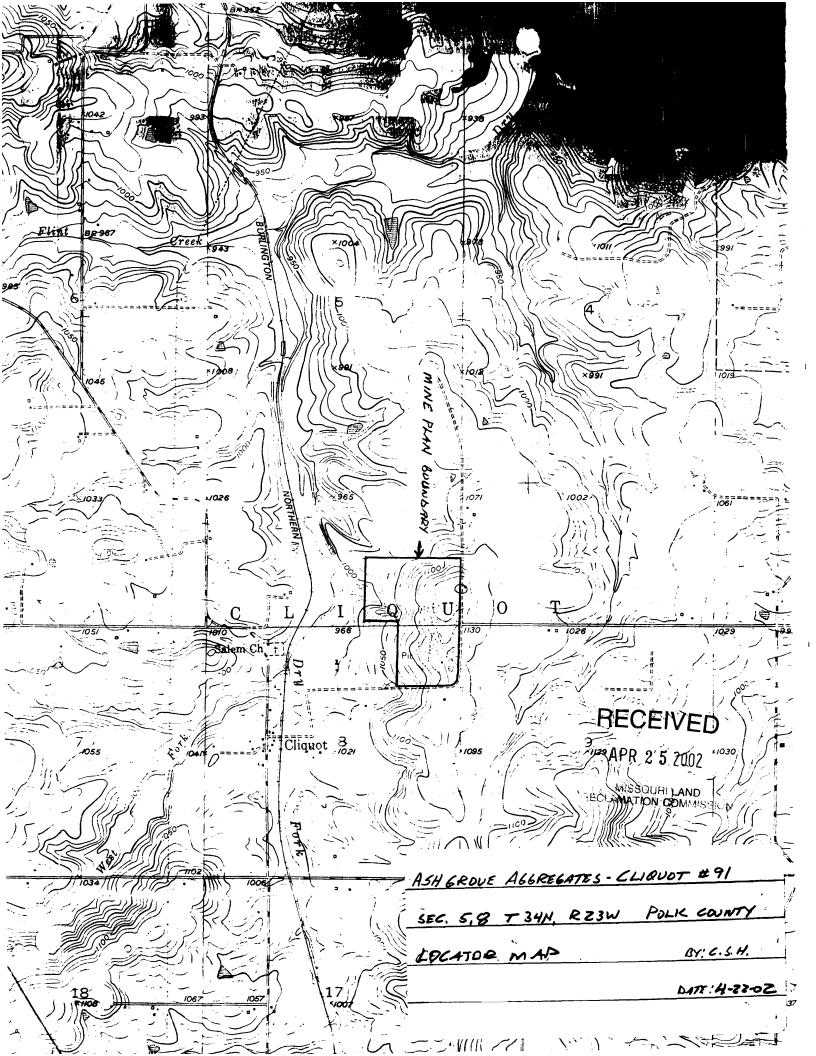
MISSOURI LAND RECLAMATION COMMISSION Date approved

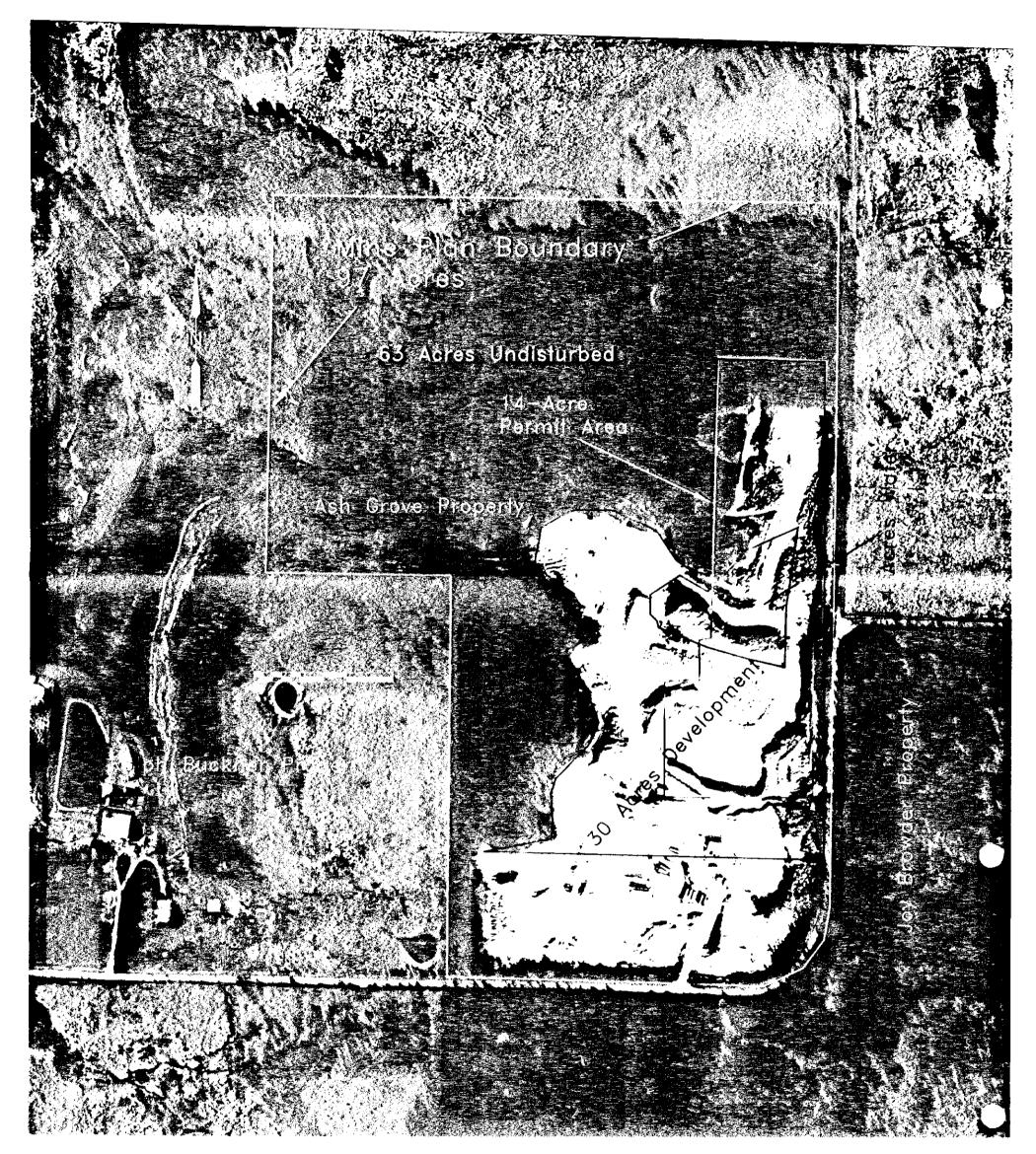
3-18-94

Attach the following documents to the Mine Plan Form:

- A. Soil substitution application form, if application
- B. Two copies of a map such that the mine can be located, and distinguished from other mines in the area.
- B. Two copies of a more detailed map, prepared on an original or clearly copied USGS 7-1/2 minute topographical map, county assessor map, A.S.C.S. aerial photo, up-to-date county plat or a different base map with a scale of one inch to six hundred sixty feet (1"=660') or larger.
 - 1. At minimum, the detailed map must show the following:
 - a. ownership boundaries, and names of owners of surface and subsurface rights to land within and contiguous to the permit area,
 - b. areas mined prior to August 28, 1990,
 - c. boundaries and acreage of each permitted site, and of the area to be affected over the Mine Plan term,
 - d. areas of proposed land uses and revegetation planting mixes.
 - e. public roads within one hundred feet (100') of the proposed permit boundary.
 - f. proposed terraces, waterways and diversions.
 - g. creeks or streams within the proposed permit area,
 - h. date of map preparation, preparer's name and title, north arrow, scale, and section, township and range lines.
 - 2. The following may be required for clarification:
 - abandoned underground and surface mines.
 - b. proposed limits of excavation, and stockpile and topsoil storage areas.
 - c. location of safety barriers, erosion and sediment control devises.
 - d. locations of acid- or toxic-forming materials.
 - e. structures, and natural or cultural features to be protected.







Ashgrove Aggregates, Inc.
Permit #0002
Cliquot Quarry
Prepared by:
Prepared 5-25-04

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JUL 2 3 2004

MISSOURI LAND RECLAMATION COMMISSION

MISS RECLAMAT





MAY 2 7 2003

PERMIT NUMBER 0002		MISSOURI LAND SECLAMATION COMMISSION
TION		
TION		
		SECTION
	SE	7
	SW	8 ACRES
0.077		
28W		177
ESTIMATED TONSA	YEAR (FC	OR GRAVEL SITES)
	, -	·
<u> </u>		
STATE		ZIP CODE
МО		63011
		DATE OF AGREEMENT
X LEASE		4-22-03
VERBAL AGRE	EMENT	<u> </u>
·—		
		-
STATE		ZIP CODE
		DATE OF AGREEMENT
LEASE		
VERBAL AGRE	EEMENT	
	STATE MO LEASE STATE	STATE MO X LEASE VERBAL AGREEMENT STATE

MO 780-1036 (11-00)



MISSOURI DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION COMMISSION

	THE TECHNICION COMMISCION	WAT 2 / ZUUS	P.O. BOX 176 JEFFERSON CITY, MO 65102-0176
	MINE PLAN	MISSOURI LAND	SET ENGOTOTY, WO STRENGTO
	AN (CHECK ONE):	RECLAMATION COMMISSION	Ash Grove Aggregates, Inc.
	TERM, FOR ONE PERMIT YEAR		ASII GIOVE Aggregates, Inc.
LONG	TERM, FOR PERIOD THROUGH DATE:	June 2040	
	ON OF SITE PRIOR TO LAND RECLAMATED AND TOPOGRAPHY.	TION COMMISSION PERMITTING (BY APPLIC	CANT OR PRIOR OPERATOR), INCLUDING SOIL,
EGETATIC	ON AND TOPOGRAPHY.		
with There	brush and timber. Some a e are two existing pits, of lacre. There are overburial is a sandy, rocky, lo	pproximately 177 acres with rareas of pasture comprised prone pit is approximately 8 acurden piles around those exist oam type of material. The de	redominantly of fescue. cres and the other is less sting pits. The topsoil
PERATIC	ON PLAN - 10 CSR 40-10.020(2)(D)1.		
L TOPSOI	-		
VERAGE	DEPTH OF TOSPOIL, PRIOR TO LAND F	RECLAMATION COMMISSION PERMITTING	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE
		6INCHES	☐ YES OR 🖾 NO
SECONO	METHODS AND EQUIPMENT USED FO	DR TORSOIL REMOVAL	<u> </u>
doze	ers and/or scrapers. Tops	a dozer, the top 12 inches o soil removal will be kept at	f soil will be removed with least 20 feet ahead of pit
DESCRIB	E METHODO AND EGON MENT OCEST		
The	ers and/or scrapers will o stockpiles will be shaped ermitted area to protect t	${ m d}$ and seeded (with seed mix ${ m c}$	s near the pit area (see map). on page 3 of mine plan) on

MO 780-1327 (01-02)

#486 PERMIT NO. 0002 SITE NO +/OR NAME _

Page 1 of 5

B. SPOIL	-		
DESCRIBE METH	HODS A	AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL	
between foot but slopes	the ffer (3:1)	removed from the first mining cut will be placed in the permitted area creek and the pit with sufficient room from the creek to leave a 50 of trees. The overburden stockpiles will be graded to traversable before topsoil is replaced. Overburden from the remaining mining a pushed into the mined-out pit from the first cut.	
C. ACID MATER	DIALC		
		AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)	
None.			
		RECEIVED	
		MAY 2 7 2003	
		MISSOURI LAND RECLAMATION COMMISSION	Nj.
D. PIT INFORM	ATION	(GIVE ALL DIMENSIONS IN FEET)	
DESCRIBE LOC	CATION	AND OREINTATION OF PIT, IF NOT CLEAR ON SITE MAPS	
tective the min	e bari ne pla	ut (cut #1) will be in the northwest corner of the mine plan. A prorier will surround the pit area on the south, west and north edges of an. From there, the pit will advance south, then cut #2 will be mined rden pushed into cut #1, followed by cut #3.	
YES	NO		
	X	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?	
	X	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-wap public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty of start near the right-of-way, and in no case may the excavation be closer to the right-of-way that or twenty-five feet plus one and one-half (1 ½) times the depth of unconsolidated material, who greater, unless a variance is granted by the Commission.)	degrees may an fifty feet
	x	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "YES", a safety barrier may be needed.)	
		4/86	

MO 780-1327 (01-02) PERMIT NO. ______ SITE NO +/OR NAME _____ #486 Page 2 of 5

A. RECLAMATION PLAN - 10 CSR 40-16).020(2)(D)2.		
REVEGETATION (Attach additional sheet	s, if needed)		
REVEGETATION MIX #1	PURPOSE OR LAND USE	SEEDING OR PLANTING TIME	1.5
# 1	Wildlife	Spring: March 15-May	
#1 DESCRIBE METHODS AND EQUIPMENT		Fall: Sept. 10-Oct.	10
	, , , , , , , , , , , , , , , , , , , ,		
Souding will be done in	the immediate seedir	ng time following placement of top	soil.
The seed mix will be by	coadcast and harrowed	or mulched.	
THE BEEG MEN WELL DE BA			
		REC	EIVED
			_
		MAY	2 7 2003
		MISS	OURI LAND ION COMMISSION
Lime and fertilizer will be applied according	g to recommendations based upon	soil test analyses from a qualified soils lab. Mulch will be	applied to all slopes
exceeding 5:1.			
OFFIRE OFFICE	DOLLNING / AODE	TOTE OF CURIN OFFICE	
SEEDED SPECIES	POUNDS / ACRE	TREE OR SHRUB SPECIES	STEMS / ACRE
Orchard Grass	20		
Timothy	5		
Red Clover	6		
Kobe Lespedeza	5		
Wheat	25		
Fertilizer 17/17/17	300		
			·
REVEGETATION MIX #2	PUPOSE OR LAND USE	SEEDING OR PLANTING TIME	
N/A	<u> </u>		
DESCRIBE METHODS AND EQUIPMEN	NT TO BE USED FOR SEEDING O	OR PLANTING	
Lime and fertilizer will be applied accord exceeding 5:1.	ing to recommendations based upo	on soil test analyses from a qualified soils lab. Mulch will	be applied to all slopes
			<u>,</u>
SEEDED SPECIES	POUNDS / ACRE	TREE OR SHRUB SPECIES	STEMS / ACRE
	Ì		
•			
	1	1	
			<u> </u>
ATTACH ADDITIONAL SHEETS FOR	ADDITONAL SEED MIXES.		
MO 780-1327 (01-02) PERMIT	NO S	ITE NO +/OR NAML #486	Page 3 of 5
			_ ~

	^	40	ING
п.	LSP		III.

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

All spoil areas will be graded to slopes traversable by farm machinery. There will be 4 water improvements; two existing pits and two pits created during the mining process.

RECEIVED

MAY 2 7 2003

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING
--

MISSOURI LAND RECLAMATION COMMISSION

GRADING

Grading will be done as the pit advances and as spoil is placed in the outer berm or in the mined-out portions. Final grading will be completed within one year of permit expiration.

REPLACEMENT OF TOPSOIL

AVERAGE DERTH OF BERLACED TORSON (INCHES)

Topsoil will be replaced within one year of permit expiration.

REVEGETATION

Revegetation will commence at the first planting season immediately following topsoil replacement.

AVERAGE DEFIN OF REFLACED TOPSOIL (INCHES)			
12			
D. USE OF LAND WHEN RECLAIMED	507111 7 70 10 0 50		
Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:		
Wildlife (forest or other habitat with livestock excluded)	140		
Agriculture (pasture, cropland, and horticultural)			
Development (residential, industrial and recreational)	2		
Water impoundments (for wildlife, agricultre, or development)	35		

PERMIT NO. ___0002

_ SITE NO +/OR NAME _

#486

Page 4 of 5

MAY 2 7 2003

By my signature, I attest to the following:

MISSOURI LAND RECLAMATION COMMISSION

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
- 4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
- 5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

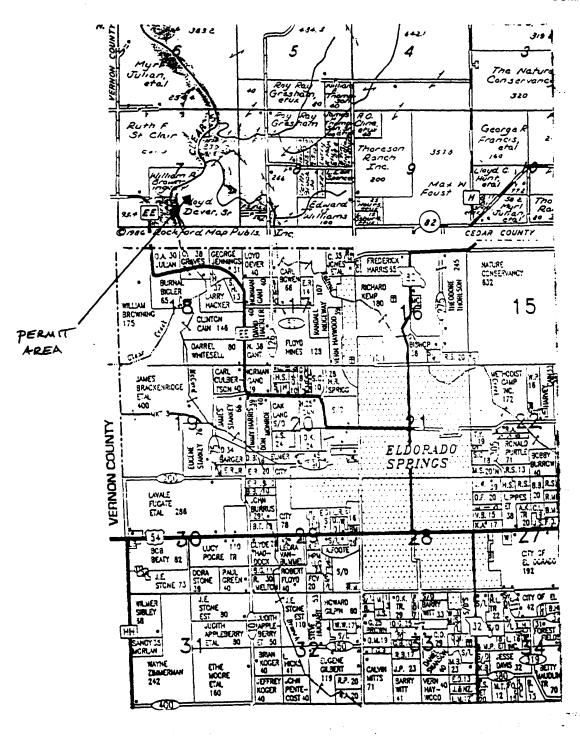
SIGNATURE OF APPLICANT		TITLE			DATE
A					
J 3000 0		General	l Manager		5-20-03
NOATRY PUBLIC EMBOSSER SEAL	STATE			COUNTY (OR CITY	OF ST. LOUIS)
	Missouri SUBSCRIBED AND SWORN BEFORE ME, THIS		Rates		
	23 DAY OF	May	20 03	USE RUBBER STA	MP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE MY COMMISSION EXPIRES 1-20-06		DEBBIE A KEISER NOTARY PUBLIC STATE OF MISSOURI		
	Debbie A. Ke	·	PRINTED)		ES COUNTY ON EXP. JAN. 20,2006
FOR DEPARTMENT USE ONLY: APPL	ROVED BY		DATE APPROVE	-05	PERMIT NUMBER
MO 780-1327 (01-02) PEI	RMIT NO	SITI	E NO +/OR NAME		Page 5 of 5

Green tice

Locator Map

MAY 2 7 2003

MISSOURI LAND RECLAMATION COMMISSION



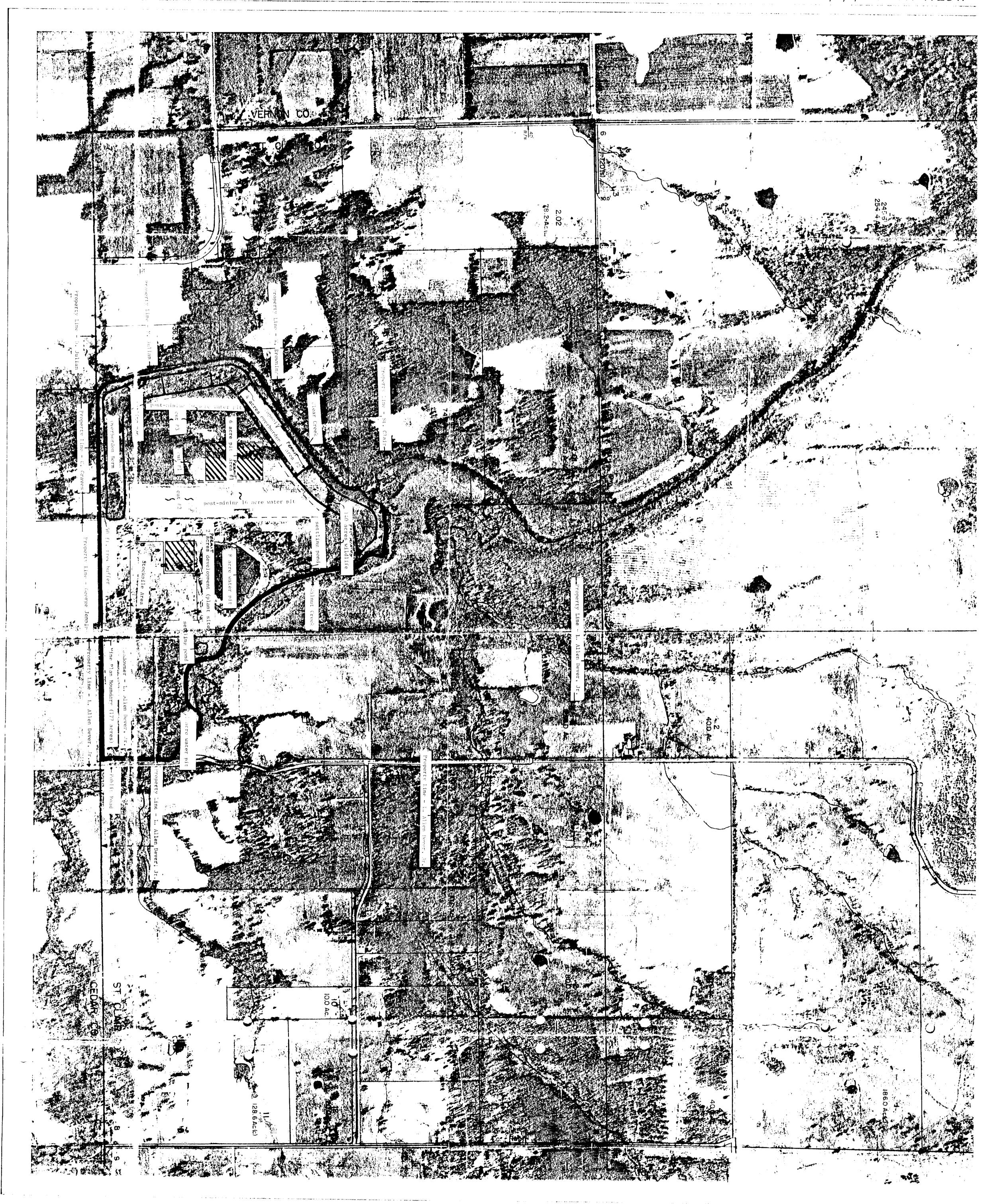
Ash Grove Aggregates, Inc. #486 ElDorado Springs Quarry Permit #0002 N
St. Clair County Sec 7 & 8, T36N, R 28W 5/20/03 Prepared by: RJS



Image courtesy of the U.S. Geological Survey © 2003 Microsoft Corporation. All rights reserved. **Terms of Use**

MAY 2 7 2003

MISSOURI LAND FIECLAMATION COMMISSION Ash Grove Aggregates, Inc. #486 ElDorado Springs Quarry Permit #0002 N ↑
St. Clair County
Sec 7 & 8, T36N, R 28W
5/20/03 Prepared by: RJS





MO 780-1036 (12-91)

MISSOURI DEPARTMENT TURAL RESOURCES LAND RECLAMATION COMMISSION SITE INFORMATION FORM



NOV 1 6 2000

TEC AMATION COMVISSION To be completed for each separate area of disturbance associated with mining operations. SITE NAME OR NUMBER PERMIT NUMBER 0002 #487 El Dorado Springs Quarry COMPANY NAME Ash Grove Aggregates, Inc. COUNTY 1/4 SECTION SECTION NE 25 Vernon TOWNSHIP RANGE ACRES R29W 160 T36N RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A MINERAL COMMODITY ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A Limestone NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Nova Lackey ADDRESS Route 1 Box 17 STATE ZIP CODE CITY 64744 MO El Dorado Springs SOURCE OF RIGHT TO MINE (CHECK ONE): DATE OF AGREEMENT LEASE MINERAL DEED 10-24-00 VERBAL AGREEMENT WARRANTY DEED OTHER (DESCRIBE): ___ MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) same as above ADDRESS STATE ZIP CODE CITY DATE OF AGREEMENT SOURCE OF RIGHT TO MINE (CHECK ONE): LEASE MINERAL DEED VERBAL AGREEMENT WARRANTY DEED OTHER (DESCRIBE): __ NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTME NATURAL RESOURCES DEC 1 1 2000

P.O. BOX 176 JEFFERSON CITY, MO 65102

441142	RECL MICO	
TYPE OF PLAN (CHECK ONE):	AMATION OF 'ID	
SHORT TERM, FOR ONE PERMIT YEAR	December 1, 2000 through December	Sina
🖾 LONG TERM, FOR PERIOD THROUGH DATE:		er 31 7050
DESCRIPTION OF SITE PRIOR TO LAND RECLAMAT AND TOPOGRAPHY.	TION COMMISSION PERMITTING (BY APPLICANT OR	PRIOR OPERATOR), INCLUDING SOIL, VEGETATION
the old property that was worked located adjacent to these pits. The surface soil material	is a sandy, rocky, loam type of	s on the east side of old overburden piles
-		
OPERATION PLAN - 10 CSR 40-10.020(2)	(D)1.	
A. TOPSOIL	20141471014 001111001011 00111171110	Tio 700001 TO 05 00 0 00 00 00 00 00 00 00 00 00 00 0
AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RE		IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
	12" surface soil INCHES	YES OR X NO
DESCRIBE METHODS AND EQUIPMENT USED FOR	TOPSON REMOVAL	<u> </u>
DESCRIBE METHODS AND EQUIPMENT USED FOR	TOPSOIL REMOVAL	
final placement can be done. I	ce soil will be removed with doz ed areas or stockpiled in a stab f an area is encountered where l practical will be removed and p	ole location until
DESCRIBE METHODS AND EQUIPMENT USED FOR	TOPSOIL STORAGE AND PROTECTION	
DESCRIBE METHODS AND EQUIPMENT USED FOR	TOPSOIL STORAGE AND PROTECTION	
The surface soil will be area and protected from erosic	stockpiled in a stable location on by establishment of a vegetat	within the permit ive cover.

RECEIVED

NOV 1 6 2000

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

MISS COMMISSION

RECLAMATION COMMISSION

Spoil will be removed with dozers and/or scrapers. The spoil will be used to construct a berm around the final perimeter of the pit. The berm will be graded, and the topsoil will be placed on it. Any remaining overburden will be placed in a mined out section of the pit and graded.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

Final pit will encompass approximately 36 acres. Pit will run north/south.

			S

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

Berm will be graded to traversable slopes. Pit floor will be flat with some boulder piles on it.

RECEIVED

JUL 2 3 2004

MISSOURI LAND
RECLAMATION COMMISSION

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

Grading will take place as overburden is removed, or as soon as practical. Grading will be completed within 12 months of the expiration or renewal of the permit under which the surface disturbance occurred.

REPLACEMENT OF TOPSOIL

Topsoil replacement will be completed within 12 months of the expiration or renewal of the permit under which the surface disturbance occurred.

REVEGETATION

Revegetation efforts will commence at the first planting season immediately following topsoil replacement.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES) (revised 6/30/04) D. USE OF LAND WHEN RECLAIMED Estimate acreage of each land use below, after reclamation Wildlife (forest or other habitat with livestock excluded) 112 Agriculture (pasture, cropland, and horticultural) 2 Development (residential, industrial and recreational) Water impoundments (for wildlife, agricultre, or development) 36

MO 780-1327 (01-02)

PERMIT NO.

SITE NO +/OR NAME

2/ El Dorado Spring

Page 4 of 5



JUL 2 3 2004

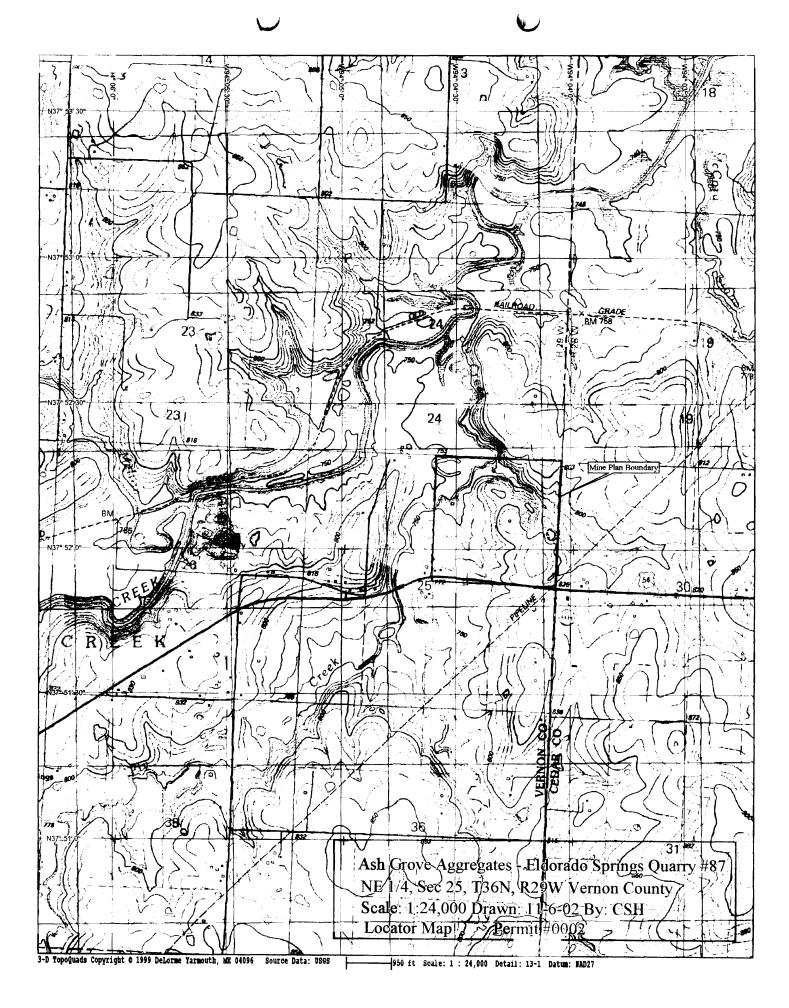
MISSOURI LAND RECLAMATION COMMISSION

By my signature, I attest to the following:

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. For the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
- 4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
- 5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

	C				
SIGNATURE OF APPLICANT		TITLE			DATE
of Sund	<i>/</i>	Genera	al Manager		7/19/04
NOATRY PUBLIC EMBOSSER SEAL	STATE			COUNTY (OR CITY	OF ST. LOUIS)
	Missouri		•	7-4	
	SUBSCRIBED AND SW	ORN BEFOR	RE ME, THIS	Bates	
	19 DAY OF	July	20 04	USE RUBBER STA	MP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGN	JUSTURE	MY COMMISSION EXPIRES		E A KEISER STATE OF MISSOURI
	NOATRY PUBLIC NAM Debbie A. Kei		PRINTED)	BATE	S COUNTY N EXP. JAN. 20,2006
FOR DEPARTMENT USE ONLY: APP	ROVED BY		DATE APPROVE	64	PERMIT NUMBER
MO 780-1327 (01-02)	BMIT NO.	SIT	E NO +/OR NAME		Page 5 of 5

SITE NO +/OR NAME





Ashgrove Aggregates, Inc.
Permit #0002
El Dorado #487 Quarry
Prepared by:
Prepared 5-25-04

HEUE VED

JUL 2 3 2004

MISSOURI LAND RECLAMATION COMMISSION

7/15/04

|--|

To be completed for each separate area	of disturbance associ	iated with mining operatior	os.	
SITE NAME OR NUMBER		PERMIT NUMBER		
El Dorado Springs 🍪 🥱		93-002	·	
COMPANY NAME				
BatescoQuarries - Div. of S	hamrock Aggregat	tes. Inc.		
COUNTY	1/4 SECTION		SECTION	
Vernor	NE 1//		26	
Vernon	NE 1/4	·	26 ACRES	
			·	
36N	29W		50	
RIVER OR STREAM NAME (FOR IN-STREAM ACF	IES)			
N/A				
MINERAL COMMODITY		ESTIMATED TONS/YEAR (I	FOR GRAVEL SITES)	
Limestone		N/A		
NAME OF LANDOWNER (ATTACH LIST IF MORE	THAN ONE!	<u> </u>		
	THAN ONLY			
Cullor, Inc.		•		
ADDRESS				
20th & Sidney				
CITY		STATE	ZIP CODE	
Fort Scott		KS	66701	
SOURCE OF RIGHT TO MINE (CHECK ONE):	· · · · · · · · · · · · · · · · · · ·	·	DATE OF AGREEMENT	
MINERAL DEED		X LEASE	5-21-93	
☐ WARRANTY DEED		VERBAL AGREEMENT	3-21-93	
OTHER (DESCRIBE): Lease	· · · · · · · · · · · · · · · · · · ·			
		77	ECEIVE	
		X	HCH L	
MINERAL RIGHTS OWNER (ATTACH LIST IF MO	DE THAN ONE		MAR 0 1 1994	
MINERAL HIGHTS OWNER (ATTACH LIST IF MO	HE THAN ONE)			
Cullor, Inc.			MISSOUKI LAINE) ECLAMATION COMMISSION	
ADDRESS		R	ECTAMATICIA COMMISSICIA	
20th & Sidney				
CITY		STATE	ZIP CODE	
Fort Scott		KS	66701	
SOURCE OF RIGHT TO MINE (CHECK ONE):	······································		DATE OF AGREEMENT	
MINERAL DEED		X LEASE	5-21-93	
☐ WARRANTY DEED		VERBAL AGREEMENT		
OTHER (DESCRIBE):				
NOTE: Each site must be shown on a n	nap and be included in	n a public notice and an app	proved mine plan.	
MO 780-1036 (12-91)	· · · · · · · · · · · · · · · · · · ·			



P.O. BOX 176 JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):	
SHORT TERM, FOR ONE PERMIT YEAR	
LONG TERM, FOR PERIOD THROUGH DATE: 2025	
DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR AND TOPOGRAPHY.	PRIOR OPERATOR), INCLUDING SOIL, VEGETATION
Low grade fescue pasture with spotted trees and rolling hiprior to requirement for topsoil saving.	lls. All topsoil removed
	:
OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.	
A. TOPSOIL	
AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
INCHES	YES OR X NO
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL	
N/A	
11/11	
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION	
•	
N/A	

RECEIVE

MAR 01 1994

With the Parish RECLAMATION COMMISSION

B. SPOIL	•
	DDS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL
	rburden spoil pile will be pushed back in the quarry pit when mining is ed. Any remaining overburden will be graded to a 3 to 1 slope.
C. ACID MAT	ERIALS
	DDS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)
None	
D. PIT INFOR	MATION (GIVE ALL DIMENSIONS IN FEET)
DESCRIBE LOCA	ION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS
	proximate size of the pit is 900 feet by 700 feet. There is a possibility of in the future into the stockpile area located to the south.
	RECEIVED
	MAR 0 1 1994
	RECLANATION COMMISSION
YES NO	
	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)
MO 780-1327 (12-91)	PAGE 2 OF

PAGE 2 OF 5

			/		
RECLAMATION PLAN - 10 CSR 40-10	.020(±)(D)2.				
A. REVEGETATION (Attach addition	nal sheets, if needed)				
REVEGETATION MIX #1	PURPOSE OR LAND USE	B. SEEDING OR PLAN		NTING TIME	
	Wildlife - Wa				
DESCRIBE METHODS AND EQUIPMENT TO BE	USED FOR SEEDING OR PLANTI	NG		•	
Hydro Seeding - Slopes to	o impoundment.				
Lime and fertilizer will be applied accomil be applied to all slopes exceeding		s made, based on an anal	ysis of soil tex	ture and nutrients. Mulch	
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB S	PECIES	STEMS/ACRE	
Fescue	25				
		1			
REVEGETATION MIX #2	PURPOSE OR LAND USE	ļ.	3. SEEDING OR PLAN	NTING TIME	
Lime and fertilizer will be applied acc	ording to recommendations	RECL	MAR 0.1 199 MISSOURI LAIT MATION COM	94 MISSION	
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB S	SPECIES	STEMS/ACRE	

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

	\searrow
B. GRADING	RECEIVED
ESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES Slopes will be graded to a 3 to 1 slope.	JUL 2 3 2004 MISSOURI LAND RECLAMATION COMMISSION
DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES RADING End slopes of unconsolidated material will be graded to	o a 3 to 1 slope within twelve
months of end of mining. EPLACEMENT OF TOPSOIL	
No topsoi! present on site. EVEGETATION End slopes will be vegetated during first acceptable pe	eriod of seeding after grading has
been completed. SCS critical area planning will be use	
VERAGE DEPTH OF REPLACED TOPSOIL (INCHES) 12" combination topsoil/overburden (revised 6/30	0/04)
Stimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Vildlife (forest or other habitat with livestock excluded)	26
Agriculture (pasture, cropland, and horticultural)	

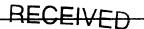
PERMIT NO. ______ SITE NO +/OR NAME #88 E1 Dorado Springs

10

14

Development (residential, industrial and recreational)

Water impoundments (for wildlife, agricultre, or development)



JUL 2 3 2004

MISSOURI LAND RECLAMATION COMMISSION

Page 5 of 5

By my signature, I attest to the following:

MO 780-1327 (01-02)

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
- 4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
- 5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT		TITLE			DATE
2 Sund		Genera	al Manager		7/19/04
NOATRY PUBLIC EMBOSSER SEAL	STATE Missouri			COUNTY (OR CITY	OF ST. LOUIS)
	SUBSCRIBED AND SWO	ORN BEFOR	E ME, THIS	Bates	
	19 DAY OF	July	20 04	USE RUBBER STA	MP IN CLEAR AREA BELOW
	Delbu a H	ATURE / _ USU	MY COMMISSION EXPIRES		BIE A KEISER C STATE OF MISSOURI
	NOATRY PUBLIC NAME Debbie A. Keis		PRINTED)		ES COUNTY ON EXP. JAN. 20,2006
FOR DEPARTMENT USE ONLY: APPR	OVED BY		DATE APPROVE	2/04	PERMIT NUMBER

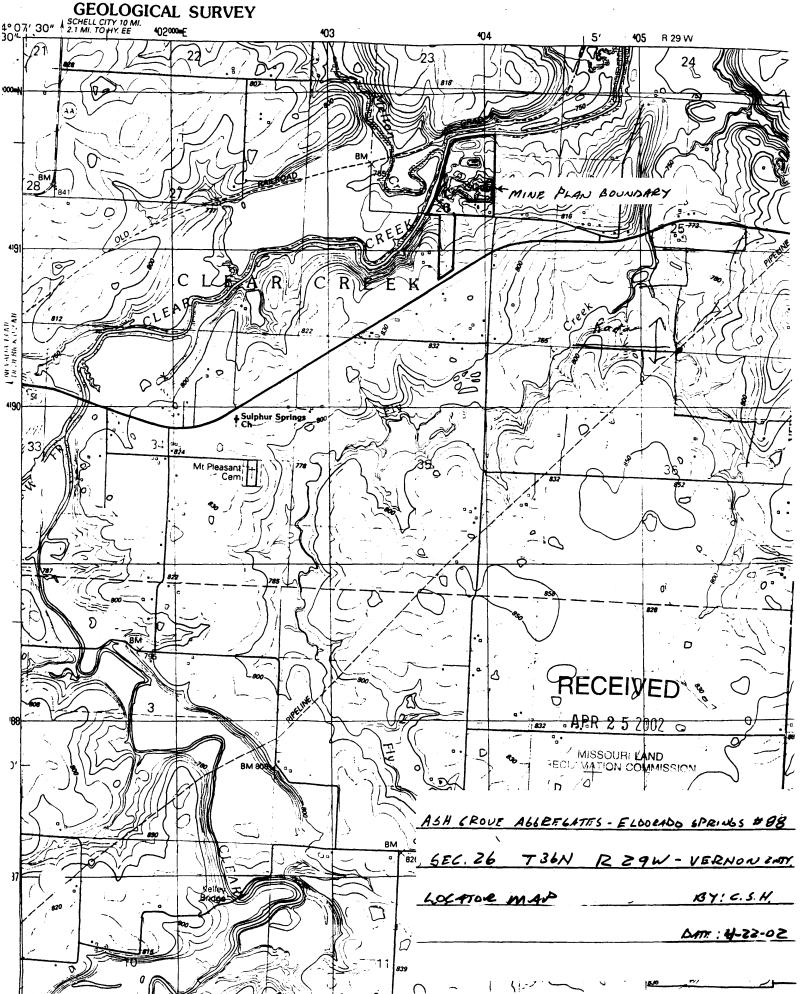
__ SITE NO +/OR NAME _

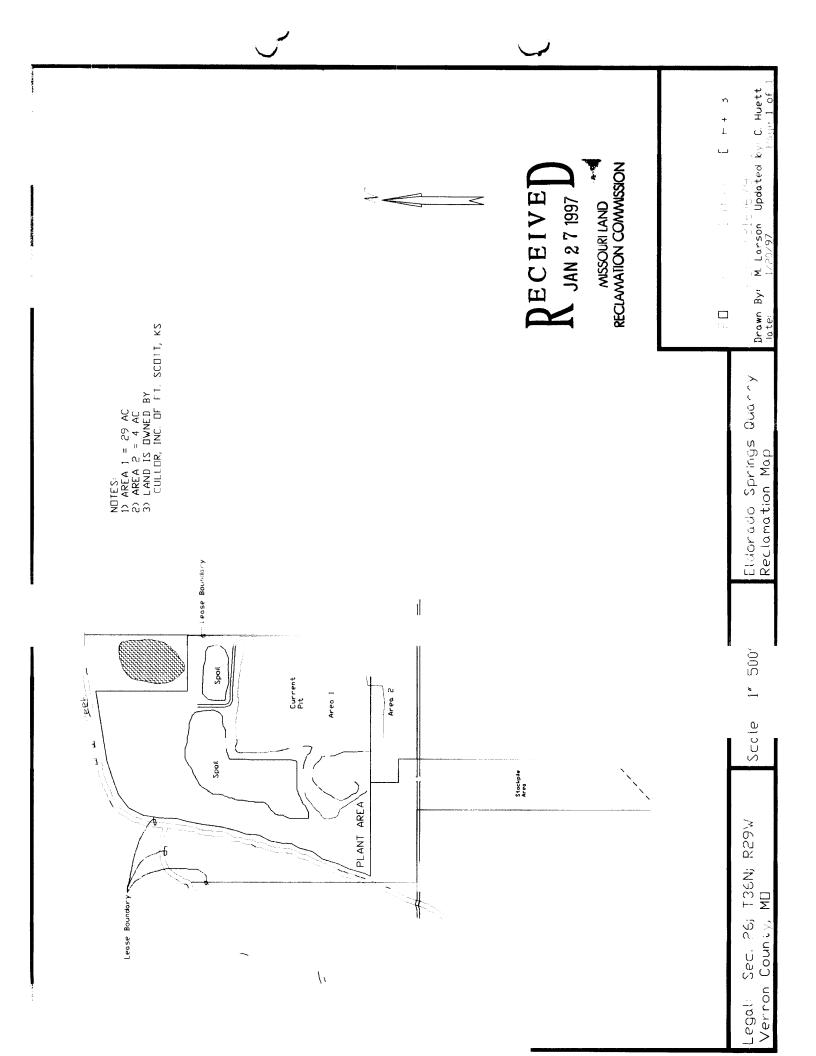


Affidavit of Publication

STATE OF MISSOURI COUNTY OF VERNON Ss.
law, says that (s) he is Classific Quild age, being duly swom according to law, says that (s) he is Classific Quild agent of The Nevada Publishing Company, the publisher of The Nevada Daily Mail/Sunday Herald, a daily/weekly newspaper published in Nevada, Vernon County, Missouri; that the Notice, a true copy of which is hereunted attached, was published in said newspaper for \(\text{Ne}\) \(\text{Vernon County}\) weeks successively on
Date
That said newspaper is located in Vernon County, Missouri, and is of general circulation therein, and has been and is admitted to the United States post office in Nevada, Missouri, the city of publication, as second-class matter; and that said newspaper has been published regularly, consecutively and continuously in the city and county aforesaid for a period of more than three years next prior to the first insertion or publication of said notice; that said newspape had and now has a list of bona fide subscribers voluntarily engaged as such who have paid of have agreed to pay a stated price for a subscription for a definite period of time, and that said newspaper is published according to and has complied with the provision of Section 493.050 Revised Statutes of Missouri, 1949.
Publication Fee: \$\frac{\frac{1}{18\frac{15}{5}}}{19\frac{15}{9\frac{15}{3}}}\$ Subscribed and sworn to before me this \frac{1}{10} \text{day of } \frac{1}{10\frac{10}{10}}\$ Notary Public

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY







Ashgrove Aggregates, Inc.
Permit #0002
El Dorado #88 Quarry
Prepared by:
Prepared 5-25-04

RECEIVED

JUL 2 3 2004

MISSOURI LAND FIECLAMATION COMMISSION





JUL 0 2 2001

To be completed for each separate area of	disturbance associated wi	th mining operations	RECLAMATION COMMISSION
SITE NAME OR NUMBER	PE	RMIT NUMBER	· · · · · · · · · · · · · · · · · · ·
Fair Grove Quarry #497		0002	
COMPANY NAME			
Ash Grove Aggregates, Inc.			
COUNTY	1/4 SECTION		SECTION
Dallas	NE¼ of SW¼		8
TOWNSHIP	RANGE		ACRES
31N	20W		40
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)			
MINERAL COMMODITY	TES	TIMATED TONS/YEAR (FO	DR GRAVEL SITES)
Limestone			
NAME OF LANDOWNER (ATTACH LIST IF MORE TH	AN ONE)		
James and Burna Taylor			
ADDRESS			
Route 1 Box 338			
CITY	ST	ATE	ZIP CODE
Fair Grove SOURCE OF RIGHT TO MINE (CHECK ONE):		МО	65648 DATE OF AGREEMENT
MINERAL DEED	[v]	LEASE	i e e e e e e e e e e e e e e e e e e e
WARRANTY DEED			June 26, 2001
		VERBAL AGREEMENT	
OTHER (DESCRIBE):			
			· · · · · · · · · · · · · · · · · · ·
MINERAL RIGHTS OWNER (ATTACH LIST IF MORE	THAN ONE)		
ADDRESS + BURNA Tayl	٥٢		
•			
Same as above		ATE	ZIP CODE
····		, <u> </u>	2 3552
COLUDE OF DIGUT TO ANNO 1011-111			DATE OF ACCESSES
SOURCE OF RIGHT TO MINE (CHECK ONE):	(72 2)	LEASE	DATE OF AGREEMENT
		1	
WARRANTY DEED		VERBAL AGREEMENT	
OTHER (DESCRIBE):			
NOTE: Each site must be shown on a map	and he included in a public	lic notice and an appl	roved mine plan
MO 780-1036 (12-91)			



RECE_/ED

P.O. BOX 176 JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE): SHORT TERM, FOR ONE PERMIT YEAR LONG TERM, FOR ONE PERMIT YEAR

LONG TERM, FOR PERIOD THROUGH DATE: July 2001 through July RESLAMATION COMMISSION

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY. The northeast section consists of a flat field. The remainder of the property is a hillside that slopes to the south and west. Soil is very rocky and nonexistent on portions of the hillside. Field is covered with fescue. Hillsides are covered with brush and trees. OPERATION PLAN - 10 CSR 40-10.020(2)(D)1. A. TOPSOIL AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE? YES OR NO _ INCHES DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL Dozers and/or other equipment will be used to strip topsoil and overburden. Due to the lack of soil, all material will be saved for reclamation purposes. Material is of poor quality. DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION Material will be stockpiled in a stable location and protected from erosion by establishment of a temporary vegetative cover.

JUL 0 2 2001

B. SP	OIL		Pro MISSOUT
DESCR	IBE METHODS	AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL	MISSOURI LAND COMMISSION
	will be a	ne fact that the material cover is thin, it is anticipated the no spoil. However, if this does occur, spoil will be removed nd/or other equipment and be used to build a berm around the pit.	at there with
	ID MATERIA	ALS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE"	BELOW)
	ioe merrioso	The Edoli Ment Gogs Fort Moseina Aois Materiales (in Novello Anthony 128), militar Novel	5220,
	None		
ı L	None.		
PI'	T INFORMA	TION (GIVE ALL DIMENSIONS IN FEET)	
		AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS	
	Pit will	cover western portion of permitted property.	
YES	NO		
	X	Will any excavation be at or within fifty feet (50') of the right-of-way of any public ro	ad?
	X	Will any highwall consisting of unconsolidated materials be left within fifty feet of public road? (NOTE: For unconsolidated materials left in place, a slope of no mostart near the right of way, and in no case may the excavation be closer to the ror twenty-five feet plus one and one-half (1-½) times the depth of unconsolidate greater, unless a variance is granted by the Commission.)	re than forty degrees may ight of way than fifty feet
	X	Will any excavation start at or within fifty feet (50') of any property line?	
		(NOTE: If the answer is "yes", a safety barrier may be needed.)	
MO 780-	1327 (12-91)		PAGE 2 OF 5

RECEIVED .

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)
REVEGETATION MIX #1 PURPOSE OR LAND

REVEGETATION MIX #1	PURPOSE OR LAND USE	MISSOURI LAND B. SEEDING OR PLA ECLAMATION COMMISSION as requ	ANTING TIME
	Wildlife	ECLAMATION COMMISSION as requ	ired
DESCRIBE METHODS AND EQUIPMENT TO BE U	SED FOR SEEDING OR PLANT	NG	
After topsoil placement.	seed and fertiliz	er will be broadcast over ar	ea
Arter topsoff pracement,	Seed and Territz	er will be broadcast over ar	ca.
Lime and fertilizer will be applied accor-	ding to recommendations	s made, based on an analysis of soil te	xture and nutrients. Mulch
will be applied to all slopes exceeding 5:	1.		
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard Grass	8		
Timothy	5		
Red Clover	3		
Oats or Wheat (depends			
on season)			
Fertilizer 30/30/30			
VEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLA	NTING TIME
PEGETATION WILL RE	PUNPOSE ON LAND USE	B. SEEDING ON PEA	MIING TIME
DESCRIBE METHODS AND EQUIPMENT TO BE U	SED FOR SEEDING OR PLANT!	NG	
Lime and fertilizer will be applied according to		s made, based on an analysis of soil te	xture and nutrients. Mulch
will be applied to all slopes exceeding 5:	1.		
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
	!		
1			
ATTACH ADDITIONAL SHEETS FOR A	DDITIONAL SEED MIXES	S.	
AO 780-1327 (12-91)			PAGE 3 OF 5

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

Berm to be constructed around perimeter of pit. Berm to be graded at approximately 20 degree slope. Pit floor to be flat.

AT PECLAMISSOURI LAND COMMISS.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

Grading will take place as overburden is removed. Grading will be completed within 12 months of the expiration or renewal of the permit under which the surface disturbance occurred.

REPLACEMENT OF TOPSOIL

Topsoil replacement shall be completed as grading activity is completed.

REVEGETATION

Seeding and fertilizing will be done as topsoil is replaced.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

0-2"

D. USE OF LAND WHEN RECLAIMED	ESTIMATED ACRES:
Estimate acreage of each land use below, after reclamation Wildlife (forest or other habitat with livestock excluded)	10
Agricultural (pasture, cropland, and horticultural)	10
Development (residential, industrial, and recreational)	
	30
Water impoundments (for wildlife, agricultural, or development)	

RECEIVED

JUL 0 2 2001

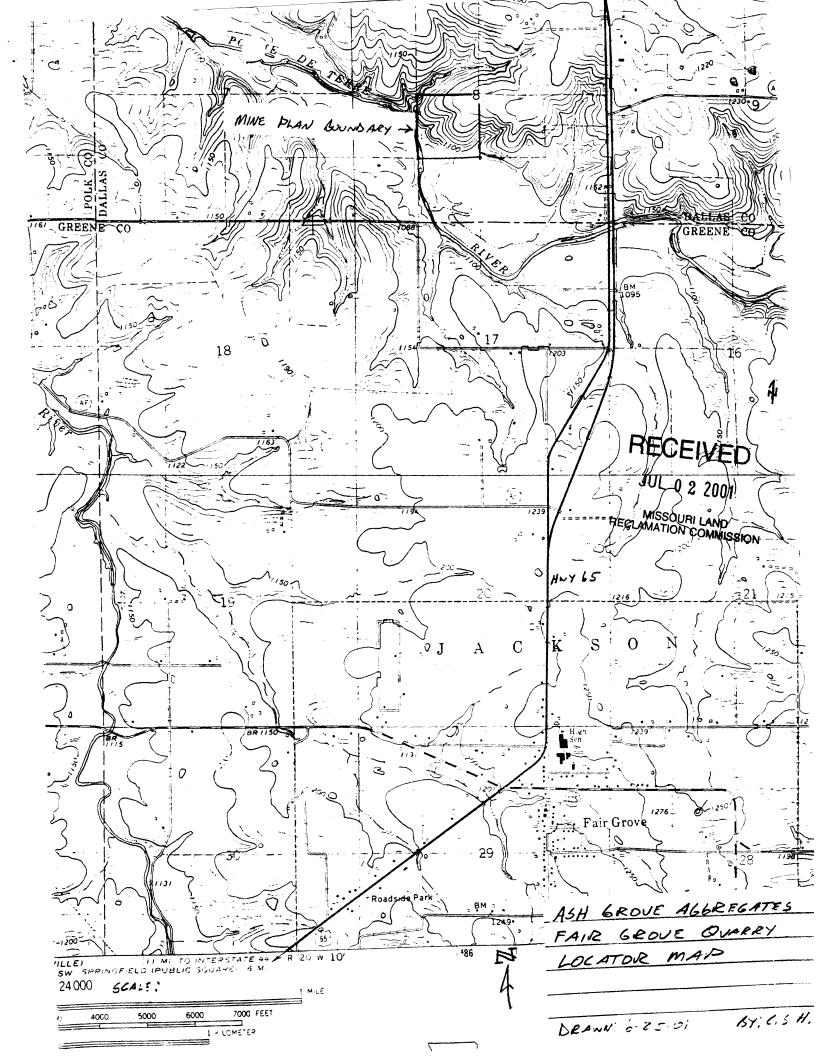
By my signature, I attest to the following:

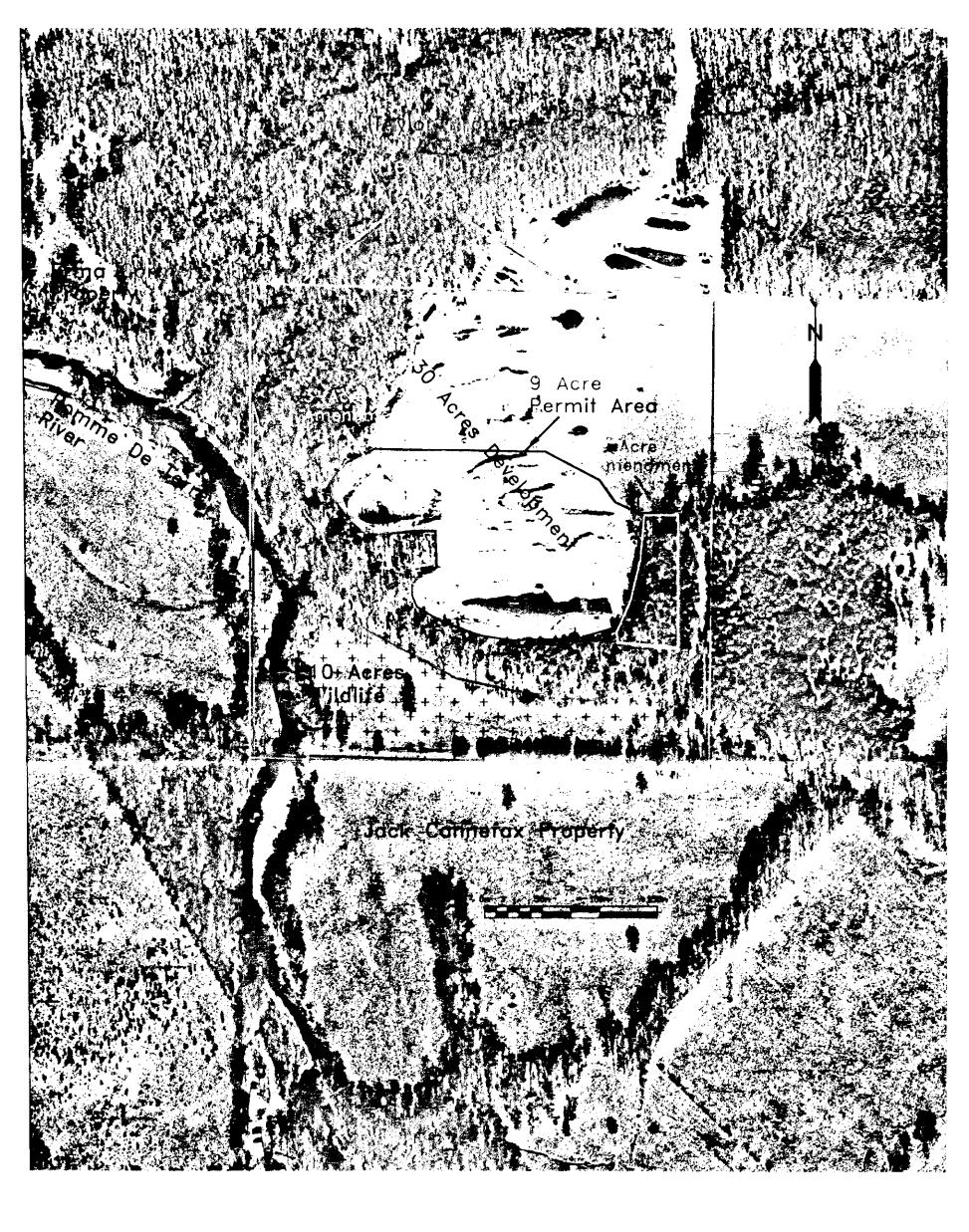
. . . .

MISSOURI LAND RECLAMATION COMMISSION

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where Lhave no such right, I have attached signed affidavits from the landowners, granting such access.

C					
SIGNATURE OF APPLICANT	TI St	TITLE		DATE	
Juli -		President		6-26-01	
NOTARY PUBLIC EMBOSSER SEAL	STATE		COUNTY (OR CI	TY OF ST. LOUIS)	
	SUBSCRIBED AND SWORN BEFORE ME, TH	HIS	Bate	25	
	26 DAY OF JU	ne #2001		R STAMP IN CLEAR AR	BELOW
,	NOTARY PUBLIC SIGNATURE LUDIU LUDIU LUDIU LUDIU	MY COMMISSION EXPIRES	DE Nota	BBIE A. KEISER ry Public - Notary Seal State of Missouri	
	NOTARY PUBLIC NAME TYPED OR RAINTED)		My Co	County of Cates ommission Exp. 01/20/200	2
APPROVED BY (DIRECTOR'S REPR	ESENTATIVE)	DATE APPROVED		PERMIT NUMBER	
Alsoe F	anne	P-20-01		0002	
MO 780-1327 (12-91)		-			PAGE 5 OF 5





Ashgrove Aggregates, Inc. Permit #0002 Fair Grove Quarry Prepared by: Prepared 5—25—04 JUL 2 3 2004

MISSOURI LAND
RECLAMATION COMMISSION

g Sut 1/15/04



MO 780-1036 (12-91)



To be completed for each separate area of d	isturbance associate	d with mining operations	6.	
SITE NAME OR NUMBER		PERMIT NUMBER		
Marshfield #96		002		
COMPANY NAME				
BatesCo Quarries-Division Of Un	nion Quarries, I	Inc.		
COUNTY	1/4 SECTION	······································	SECTION	
Webster	SE, SW, & NW		34	
TOWNSHIP	RANGE		ACRES	
T 32 North	R18 West		98	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)	I			
MINERAL COMMODITY		ESTIMATED TONS/YEAR (FO	DR GRAVEL SITES)	
Limestone				
		<u> </u>		
NAME OF LANDOWNER (ATTACH LIST IF MORE THAN				
Edward D. And S. Darlyne Kill	ingsworth			
ADDRESS				
410 NE Hubble				
CITY		STATE	ZIP CODE	
Marshfield		мо	65706	
SOURCE OF RIGHT TO MINE (CHECK ONE):			DATE OF AGREEMENT	
MINERAL DEED		☑ LEASE	4/30/92	
WARRANTY DEED		VERBAL AGREEMENT	<u> </u>	
OTHER (DESCRIBE):				
the specific specific for the specific		77 1	CEIVE'A	
The state of the s		R	CEIVE	
MINERAL RIGHTS OWNER (ATTACH LIST IF MORE TH	IAN ONE)		MAD 0.1 1001	
නාර			MAR 01 1994	
Edward D. and S. Darlyne Kill ADDRESS	ingsworth	25.01	MISSOURI LAND	
		KECU	AMATION COMMISSICIN	
410 NE Hubble				
CITY		STATE	ZIP CODE	
Marshfield		МО	65706	
SOURCE OF RIGHT TO MINE (CHECK ONE):		™	DATE OF AGFIEEMENT	
MINERAL DEED		LEASE	4/30/92	
☐ WARRANTY DEED		L VERBAL AGREEMENT		
OTHER (DESCRIBE):				
NOTE: Each site must be shown on a map a	nd be included in a p	oublic notice and an appr	oved mine plan.	



MO 780-1327 (12-91)

P.O. BOX 176
JEFFERSON CITY, MO 65102

PAGE 1 OF 5

autitas .	
TYPE OF PLAN (CHECK ONE):	4
SHORT TERM, FOR ONE PERMIT YEAR	
NOTERM, FOR PERIOD THROUGH DATE: 2025	
DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OF AND TOPOGRAPHY.	R PRIOR OPERATOR), INCLUDING SOIL, VEGETATION
TO CONATTI,	
Top of Vest1 elemine court and year. Timestone out are	prince procent
Top of Knoll sloping south and west. Limestone out croover majority of site. Scrub Cedars over majority of s	
vegetation between out crops. No topsoil.	ite with sparse
vogotation between out crops. No topoliti	
OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.	
A. TOPSOIL	
AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING	IS TOPSOIL TO BE SOLD OF DISCARDED OFFSITE?
NoneINCHES	YES OR X NO
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL	
PESCHIBE WETHOUS AND EGOIT WENT USED FOR TOPSOIL NEWOVAL	
Dozer clears limestone of spoils and Scrub Cedars to ex	nose limestone.
seles enems and established to or	PAR IIIICOCONC
	ECEIVE
K ·	
•\	
	MAR 01 1994
	MISSOURI LAND
nc/	ZAMATION COMMISSION
KC	J7474
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION	
None	
i	
	,
	1

0.000		
B. SPOI		S AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL
DESCRIBE	METHODS	S AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL
		emoves spoil (if present) and pushes to south and west to form
В	erm 10	r first cut. Spoils dozed back into pit for subsequent cuts.
C. ACID	MATER	IAI S
		S AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)
No	ne	
		·
		,
4		
D. PIT II	NFORMA	TION (GIVE ALL DIMENSIONS IN FEET)
		N AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS
Pi	t will	run in a south and east direction. See map 22.
		and documental and date arrection, get map 22.
		DECEIVE
		KECETAR
		MAR 01 1994
		MISSOURILAND
		RECIAMATION COMMISSION
		RECD 44
		
YES	NO	
	×	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
	لنت	This any executation be at or within mity lest (ob) or the fight-or-way or any public read?
	\boxtimes	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any
		public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may
		start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet
		or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
		vicalet, unicas a variance is utanteu uv ine Commission.)
		gramme, amend a samme of the commence of the c
	X	Will any excavation start at or within fifty feet (50') of any property line?

PAGE 2 OF 5

MO 780-1327 (12-91)

A. REVEGETATION (Attach additi			
REVEGETATION MIX #1	PURPOSE OR LAND USE	ANTING TIME	
	Industrial		
None will be done. S		ING .	
None will be done.	cc map 21.		
Lime and fertilizer will be applied ac will be applied to all slopes exceedin		s made, based on an analysis of soil te	xture and nutrients. Mulc
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
			-
REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLA	INTING TIME
DESCRIBE METHODS AND EQUIPMENT TO I	BE USED FOR SEEDING OR PLANTI	NG	
		RECEI	VE
		MAR 01	1994
		MISSOURI RECLAMATION CO	LAND DMMISSION
Lime and fertilizer will be applied ac will be applied to all slopes exceedin		s made, based on an analysis of soil te	xture and nutrients. Mulc
SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

PAGE 3 OF 5

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

MO 780-1327 (12-91)

B. GRADING	
DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES	
Outside high walls will be sloped and protection left in will become large flat area for future industrial use.	place. Pit
C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING A	CTIVITIES
GRADING	
None	
REPLACEMENT OF TOPSOIL	
None	
None	RECEIVE
REVEGETATION	MAR 0 1 1994
	MISSOURI EARNEI RECLAMATION COMMISSION
None	RECENTATION
AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)	
D. USE OF LAND WHEN RECLAIMED	ECTHANTED ACRES
Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	
Agricultural (pasture, cropland, and horticultural)	
Development (residential, industrial, and recreational)	80
Water impoundments (for wildlife, agricultural, or development)	

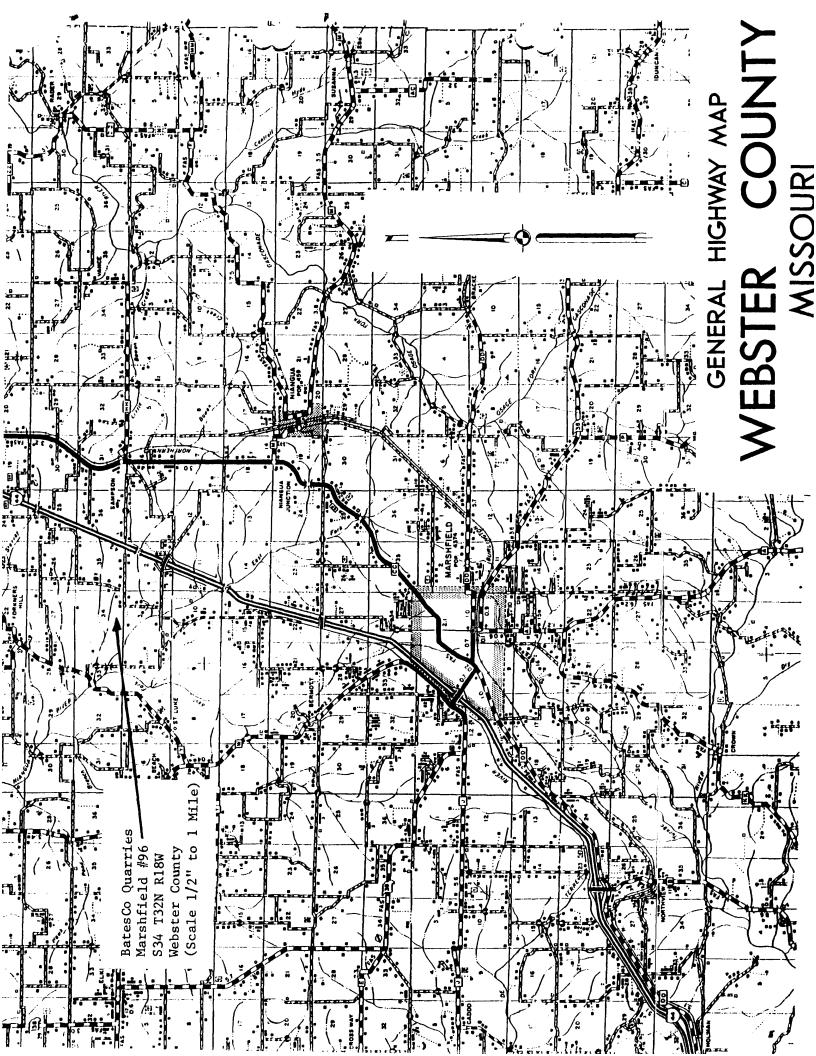
By my signature, I attest to the following:

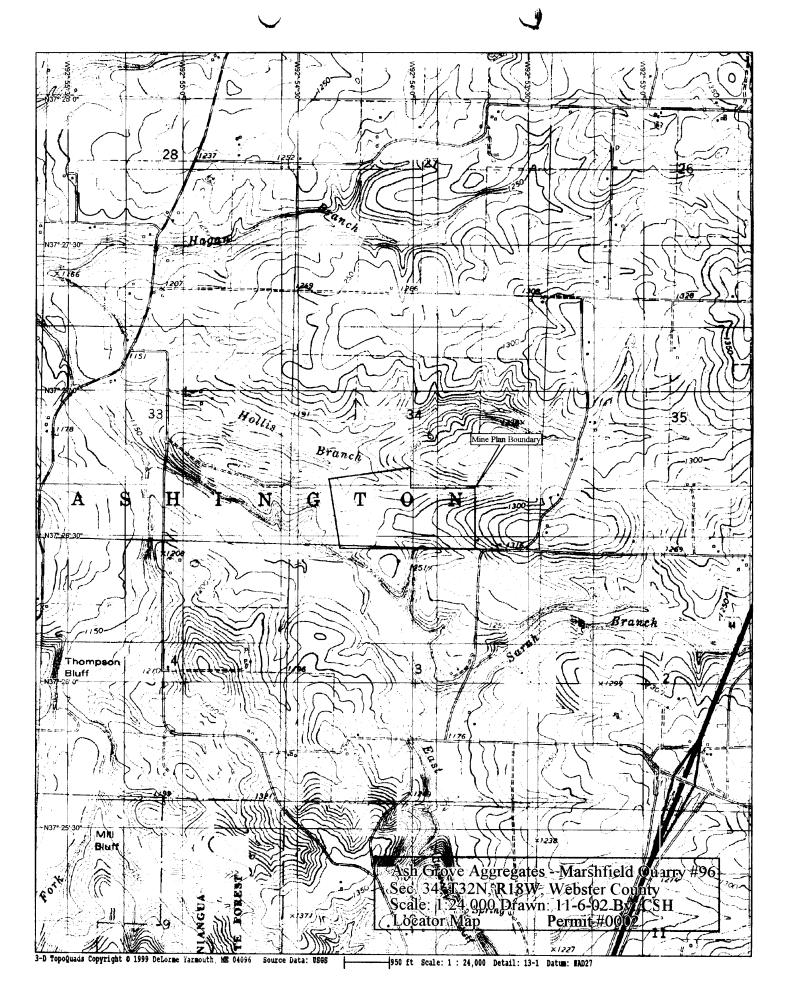
- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- (3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

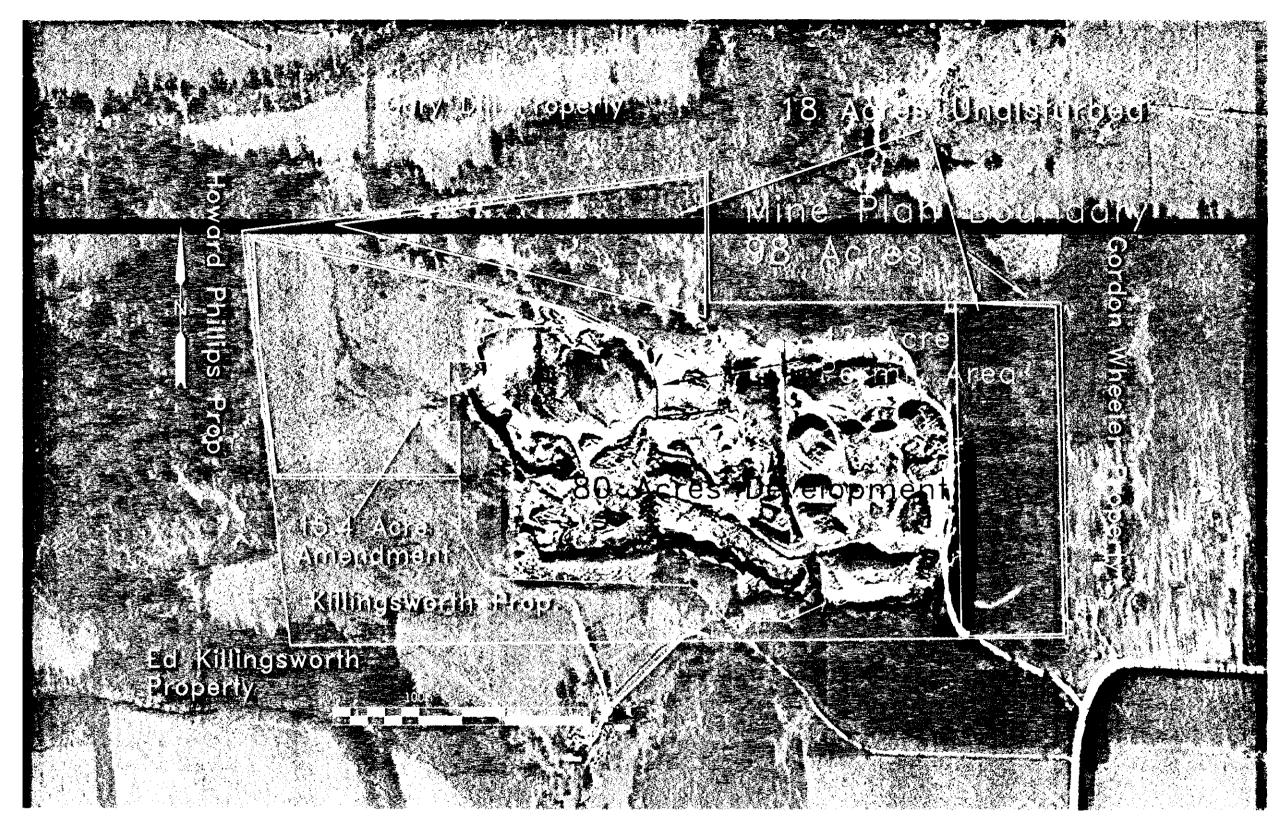


MISSOUNI LAND RECLAMATION COMMISSION

SIGNATURE OF APPLICANT	40. 10	TITLE	DATE
	flu Il Su	Maņager	5-18-92
NOTARY PUBLIC EMBOSSER SEAL	STATE		COUNTY (OR CITY OF ST. LOUIS)
	Missouri SUBSCRIBED AND SWORN BEFORE ME, TO		Bates
	18th DAY OF M	ay 19 92	USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE NOTARY PUBLIC NAME (TYPED OR PRINTED)	MY COMMISSION EXPIRES Jan. 20, 19	DEERIS A KEISER 94 NOTARY PUBLIC STATE OF MICCOURT BATES COURTY MY CONTRISSION EXP. JAIL. 20,1994
APPROVED BY (DIRECTOR'S RE	Debbie A. Keiser	DATE ADDROVED	
APPROVED BY (DIRECTOR'S RI	PRESENTATIVE	3-18-96	PERMIT NUMBER A CD
MO 789-1327 (12-91)			PAGE 5 OF







Ashgrove Aggregates, Inc. Permit #0002
Marshfield Quarry
Prepared by:
Prepared 5-25-04

HEUEIVEU

JUL 3 3 2004

MISSOURI LAND SECLAMATION COMMISSION

y Sure 3/15/04

P.O. Box 176 Jefferson City, MO 65102

SITE INFORMATION FORM (to be completed for each separate area of disturbance associated with mining operations)

"Ining Operation							
Site name or	number	Permit	number	Compa	any nam	е	
Montevallo - 78	İ	91-002		Batesc	o Quarri	es-Div.	Union Quarries, In
County	1/4 sec	tion	Section	Towns	ship	Range	Acres
Vernon	NW 1/4 NE 1/4		5 6	 34N	, 	29W	378
River or stream name (for in-stream acres)		Mineral	commodity Estimated tons/ y (for gravel sites				
			Limestor	ne			
Name of lando		Ac	idress		City		
(attach list if more than one)					Nevada	ada	
·		į		. 7	State	Zip	
Kyle & Alta Gorde	on	52	0 S. Main		МО	6477	72 ·
Source of rig	to mi	ne (chec	ck one):		<u> </u>	Dat	e of agreement
Mineral Warrant			Lease Verbal	agreeme	ent	6,	/01/86
Other (describe	·)·					
Mineral right (attach list		Ac	dress		City		
than one)			Nevada				
				_	State	Zip	
Kyle & Alta Gord		_	20 S. Main		МО	647	72
Source of ric	deed		ck one): Lease		M. 1000000	Dat	e of agreement
	y deed		Verbal	agreeme	ent	<u> </u>	/01/86
Other (describe	1) 1					

EACH SITE MUST BE SHOWN ON A MAP AND BE INCLUDED IN A PUBLIC NOTICE AND AN APPROVED MINE PLAN

Form LRP-SF1

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MISSOURI LEANS
RECLAMATION COMMISSION

Page 1 of 1

MISSOURI DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION TOWNISSION

P.O. Box 176 Jef erson City, MO 65102

MINE PLAN FORM

Type of plan Short term, for one permit year (check one): X Long term, for period through date: 1992 - 2025
Description of site prior to Land Reclamation Commission Permitting (by applicant or prior operator), including soil, vegetation and topography
Relatively flat pasture and crop land separated by hedge rows, creek ditches all of smaller areas of tracts of land. Topsoil is a very sandy loam laying over 8 to 10 feet of clay.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. Topsoil

Average depth of topsoil, prior to Land Reclamation sold or discarded Commission Permitting: 9" - 12" inches offsite? (Y or N):

Describe methods and equipment used for topsoil removal

Scrapers and dozers remove topsoil and overburden and deposit such to the north. Previously mined out area now used as the topsoil/overburden deposit area.

Describe methods and equipment used for topsoil storage and protection Soil is leveled and seeded to control erosion/loss and wash back into pit area.



MAR 01 1994

MISSOURI LAIND
RECLAMATION COMMISSION

A. RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.				
REVEGETATION (Attach additional sheets	s, if needed)		F	MISSOURI LAND
REVEGETATION MIX #1	PURPOSE OR LAND USE		SEEDING OR PLANTING TIME	RECLAMATION COMMISSIC
			Spring - March 15 th	
	Wildlife		Fall - Sept. 10 th	ru Oct. 10
DESCRIBE METHODS AND EQUIPMENT	TTO BE USED FOR SEEDING OF	RPLANTING		
Coop hired seeder/spreade after seeding for proper		tilizer ble	end made at time of de	elivery. Disked
Lime and fertilizer will be applied according exceeding 5:1.	g to recommendations based upon			Т
SEEDED SPECIES	POUNDS / ACRE	IRE	E OR SHRUB SPECIES	STEMS / ACRE
Orchard Grass Timothy Red Clover Kobe Lespedeza Wheat Fertilizer 17/17/17	20 5 6 5 25 300			
REVEGETATION MIX #2	PUPOSE OR LAND USE		SEEDING OR PLANTING TIME	
N/A				
DESCRIBE METHODS AND EQUIPMENT Lime and fertilizer will be applied according 5:1.			s from a qualified soils lab. Mulch w	vill be applied to all slopes
SEEDED SPECIES	POUNDS / ACRE	TRE	EE OR SHRUB SPECIES	STEMS / ACRE
ATTACH ADDITIONAL SHEETS FOR AD	DITONAL SEED MIXES.			

#78 Montevallo

0002

SEP 1 3 2004

B. GRADING	3EP 1 3 2004
DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES	MISSOURI LAND NOISSIMMOO NCITAMALOSP
Landowner wants entire pit to become a lake or water impound with a berm of clay overburden, covered with topsoil and grawith farm equipment.	
C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES	
GRADING	
Grading will take place as overburden is removed, or as soon completed within 12 months of the expiration or renewal of t surface disturbance occurred.	
REPLACEMEN	
Topsoil replacement will be completed within 12 months of th permit, under which the surface disturbance occurred.	e expiration or renewal of the
REVEGETATION	
Revegetation efforts will commence at the first planting seareplacement.	son immediately following topsoil
AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES) 12"	(revised 9/04)
D. USE OF LAND WHEN RECLAIMED	
Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	20
Agriculture (pasture, cropland, and horticultural)	
Development (residential, industrial and recreational)	
Water impoundments (for wildlife, agricultre, or development)	80

0002

PERMIT NO.

MO 780-1327 (01-02)

#78 Montevallo

SITE NO +/OR NAME

Page 4 of 5

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SEP 1 3 2004

By my signature, I attest to the following:

MISSOURI LAND RECLAMATION COMMISSION

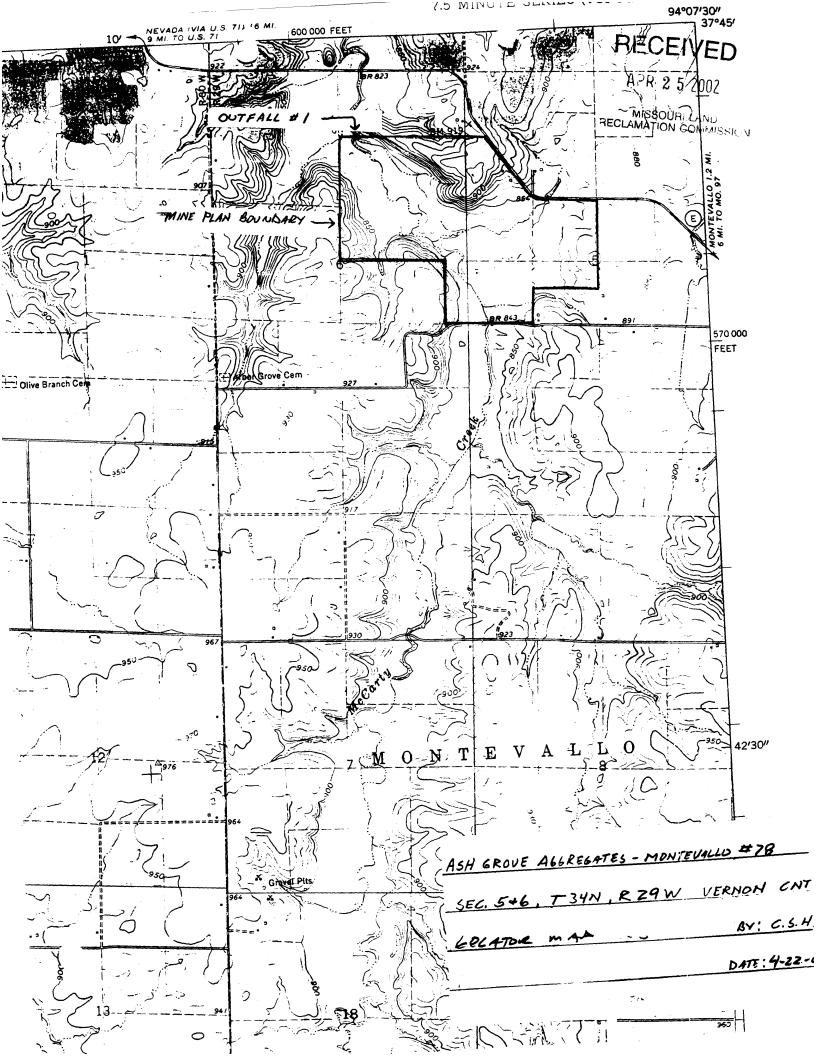
- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
- 4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
- 5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT	1	TITLE			DATE
of Suns		Gene	eral Manager		9-8-04
NOXTRY PUBLIC EMBOSSER SEAL	STATE			COUNTY (OR CITY OF ST. LOUIS)	
	Missouri SUBSCRIBED AND SWORN BEFORE ME, THIS 8th DAY OF September 20 04			Bates	
				USE RUBBER STAMP IN CLEAR AREA BELOW	
	EXPIRES		1-20-06	DEBBIE A KEISER NOTARY PUBLIC STATE OF MISSOURI BATES COUNTY MY COMMISSION EXP. JAN. 20,2006	
FOR DEPARTMENT USE ONLY: APPR		Debbie A. Keiser VEDBY DATE APPROVE			
Michael 7 Min	M		9/21/	104	0002

MO 780-1327 (01-02)

PERMIT NO.

SITE NO +/OR NAME #7.8 Montevallo





Ashgrove Aggregates, Inc.
Permit #0002
Montevallo Quarry
Prepared by:
Prepared 5-25-04

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MISSOURI LAND RECLAMATION COMMISSION

J Sun 7/15/04

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MO 780-1036 (11-00)

MISSOURI DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION COMMISSION

NOV 5 2004 JUL 2 3 2004

SITE INFORMATION FO	KIVI	MISSOURI L	AND MISS DMMISSION RECLAMAT	SOURI LAND
To be completed for each separate area of	disturbance associate			TOTA COMMINISCION
SITE NAME OR NUMBER		PERMIT NUMBER		
Osceola Quarry #79		0002		
COMPANY NAME				
Ash Grove Aggregates, Inc.				
COUNTY	1/4 SECTION		SECTION	
St. Clair	SW 1/4		36	
TOWNSHIP	RANGE		ACRES	
38N	25W		₹ 50	RIS 11/2/04
RIVER OR STREAM NAME (FOR IN-STREAM ACRES	5)			
MINERAL COMMODITY	1 · · · · · · · · · · · · · · · · · · ·	ESTIMATED TONS/YEAR (FO	OR GRAVEL SITES)	
Limestone				
				
NAME OF LANDOWNER (ATTACH LIST IF MORE THA	AN ONE)			
	,			
James Brownlee ADDRESS				
P. O. Box 41		STATE	ZIP CODE	
Lowry City		МО		54763
SOURCE OF RIGHT TO MINE (CHECK ONE):			DATE OF AG	REEMENT
MINERAL DEED		X LEASE	3-0	01-85
☐ WARRANTY DEED		VERBAL AGREEMENT		
OTHER (DESCRIBE):				
MINERAL RIGHTS OWNER (ATTACH LIST IF MORE T	THAN ONE)			
Same as landowner				
ADDRESS				
CITY	·	STATE	ZIP CODE	····
SOURCE OF RIGHT TO MINE (CHECK ONE):			DATE OF AG	REEMENT
MINERAL DEED		LEASE		
WARRANTY DEED		☐ VERBAL AGREEMENT	L	
OTHER (DESCRIBE):				
NOTE: Each site must be shown on a map	and be included in a	public notice and an approve	d mine plan.	
I = I = Con one made of one mile			pr	

MISSOURI DEPARTMENT OF NATURAL RESOURCES W UUJ P.O. Box 176 "afferson City, MO 65102 LAND RECLAMATION COMMISSION MINE PLAN FORM Short term, for one permit year Type of plan Long term, for period through date: 1992 - 2025 (check one): Description of site prior to Land Reclamation Commission Permitting (by applicant or prior operator), including soil, vegetation and topography Steep hills/bluffs with grub oaks, rock exposed and no land use by landowner. Clay with imbedded gravel as ground cover. No topsoil. OPERATION PLAN - 10 CSR 40-10.020(2)(D)1. A. Topsoil Average depth of topsoil, Is topsoil to be prior to Land Reclamation sold or discarded Commission Permitting: inches offsite? (Y or (N): None Describe methods and equipment used for topsoil removal Dozer clears limestone of spoil and trees, exposing limestone. Describe methods and equipment used for topsoil storage and protection None.

Form LRP-MP1

Page 1 of 5

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NOV 5 2004

	/2/06/98	FRI 10:00 F	FAX 1 660 679 5751	ASH GROVE AGGREGATES	
	Spoil		,		٠.
_	Describe	methods	and location of	spoil placement and di	
	Dozer re	moves spoil	(if any) and pushes	to pit in southeast corner	of worked area.
		•			
		•			
Ξ.	Acid ma	terials			
	Describe	methods		ed for handling acid m	aterials
	(II none	s is antic	ipated, write "r	loue. Delom)	
	None.			•	•
ľ					

Describ	formation (give all dimensions in Heet) e location and orientation of pit, if not clear on site maps Il eventually become pit. See map 10.
no	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
No	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
No	Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

Form LRP-MP1

Page 2 of 5

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NOV 5 2004

A. RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2. MI-SOURI LAND RECLAMATION COMMISSION REVEGETATION (Attach additional sheets, if needed) **PURPOSE OR LAND USE** SEEDING OR PLANTING TIME **REVEGETATION MIX #1** Spring - March 15 thru May 15 Wildlife Fall - Sept. 10 thru Oct. 10

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Seeding will be done in the immediate seeding time following placement of topsoil/overburden. The seed mix will be broadcast and harrowed or mulched.

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MISSOURI LAND RECLAMATION COMMISSION

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS / ACRE	TREE OR SHRUB SPECIES STEMS / ACRE
Orchard Grass Timothy Red Clover Kobe Lespedeza Wheat Fertilizer 17/17/17	20 5 6 5 25 300	
REVEGETATION MIX #2	PUPOSE OR LAND USE	SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

 STEMS / ACRE

R	E	C	E	IV	E	D

D	CD		^

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

MISSOURI LAND RECLAMATION COMMISSION

Outside highwalls will be sloped and protection left in place. Pit will become large flat area with stone floor for use in wood storage. Stockpile area and farm use for storage of hay, machinery and possible cattle feed areas.

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	MISSOURI LAND RECLAMATION COMMISSION
C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES	
GRADING	
Grading will take place as overburden is removed, or as so will be completed within 12 months of the expiration of the disturbence occurred.	
REPLACEMENT OF TOPSOIL	
None	
REVEGETATION	
Seeding and fertilization shall occur at the first such opinto place. Revegetation efforts will be completed during following grading. MJM RTS 11/404	
AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES) None	
D. USE OF LAND WHEN RECLAIMED	1
Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	15 RJS 11/2404
Agriculture (pasture, cropland, and horticultural)	
Development (residential, industrial and recreational)	35
Water impoundments (for wildlife, agricultre, or development)	

PERMIT NO. ___0002

SITE NO +/OR NAME #79 Osceola

Page 4 of 5

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JUL 2 3 2004

By my signature, I attest to the following:

MISSOURI LAND RECLAMATION COMMISSION

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
- 4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
- 5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

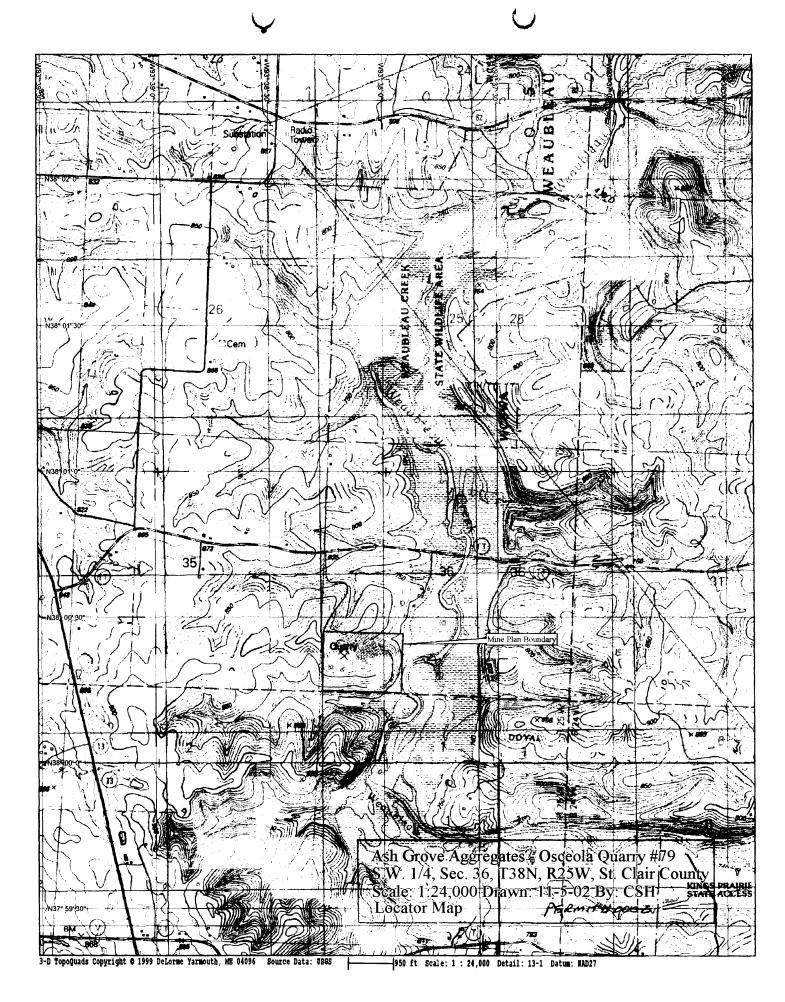
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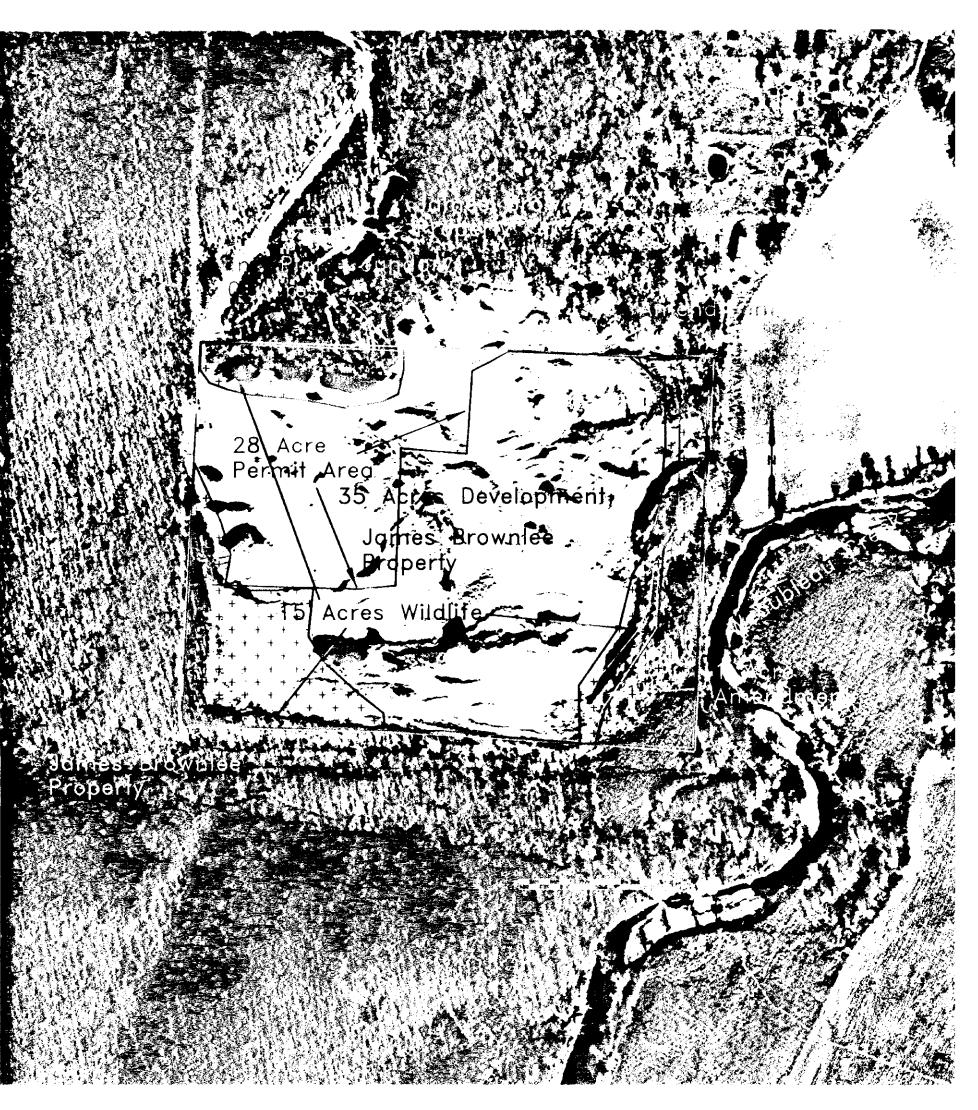
NOV 5 2004

MISSOURI LAND RECLAMATION COMMISSION

SIGNATURE OF APPLICANT	TITLE			DATE
p Smal	General			7/19/04
NOATRY PUBLIC EMBOSSER SEAL	STATE Missouri		COUNTY (OR CITY	OF ST. LOUIS)
	SUBSCRIBED AND SWORN BEFORE N	ME, THIS	Bates	
		20 04	USE RUBBER STAN	MP IN CLEAR AREA BELOW
		Y COMMISSION XPIRES 1-20-06	NOTARY PUBLIC	E A KEISER STATE OF MISSOURI
	NOATRY PUBLIC NAME (TYPED OF PR	RINTED)	BATE	9 COUNTY IN EXP. JAN. 20,2006
	Debbie A. Keiser			·
FOR DEPARTMENT USE ONLY: APPR	SVED BY	DATE APPROVED		PERMIT NUMBER
Michael J Man		9/21,	1.04	0002
MO 780-1327 (01-02)				D 5 - 64

SITE NO +/OR NAME





Ashgrove Aggregates, Inc. Permit #0002

Permit #0002 Osceola Quarry Prepared by:

Prepared 5-25-04

Ja Sull-2-04

SITE INFORMATION FORM (to be completed for each separate area of disturbance associated with mining operations)

Site name or	number	Permit	number	Compa	any name) ·		
Pittsburg - 94		91-00	2	Bateso	o Quarrie	s-Div U	Jnion (Quarries Inc.
County	1/4 sec	tion	Section	Town	ship F	lange	ACI	es
Hickory	SE 1/4		36	36N	2	.2W	. 78	
River or stre			Mineral	commod:				cons/ year . sites)
		····	Limeston	e				
Name of lando (attach list than one)		Ac	idress		City Overlar	ıd Park		
Ash Grove Cement	Company		00 Indian Cr rkway	eek	State KS	Zip		
Source of ric		ne (chec	ck one):	· <u></u>	<u> </u>	Dat	e of	agreement
X Mineral Warrant Other		<u> </u>	Lease Verbal	agreem	ent	<u></u>		
Mineral right (attach list than one)		Ac	idress		City	ınd Parl	s.	
•			00 Indian Cr	eek	State	i •		
Ash Grove Cement			rkway		KS	66	225	
Source of rice Mineral X Warran	l de e d		Lease	agreem	ent	Dat	e of	agreement
X Warran			Verbal	agreem	ent			

EACH SITE MUST BE SHOWN ON A MAP AND BE INCLUDED IN A PUBLIC NOTICE AND AN APPROVED MINE PLAN

Form LRP-SF1

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Page 1 of 1

MAR 01 1994

MISSOURI LAND RECLAMATION COMMISSION

P.O. Box 176 Jefferson City, MO 65102

MINE PLAN FORM

Type of plan Short term, for one permit year (check one): X Long term, for period through date: 1992 - 2025
Description of site prior to Land Reclamation Commission Permitting (by applicant or prior operator), including soil, vegetation and topography
Hill, falling off to the north and west. Timber over northeast quarter of property, pasture on south half and west half of property.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. Topsoil

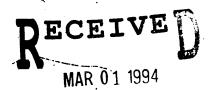
Average depth of topsoil, prior to Land Reclamation | Is topsoil to be sold or discarded Commission Permitting: 3 inches offsite? (Y or (N):

Describe methods and equipment used for topsoil removal

Topsoil will be stripped with a dozer, piled east and south of the pit, seeded and held to eliminate loss by erosion.

Describe methods and equipment used for topsoil storage and protection

Topsoil will be collected into layer piles and seeded to prevent loss until it is deposited back over the spoils. Straw dikes and mulching will be used to contain the sparce amount of topsoil available.



MISSOURI LAND RECLAMATION COMMISSION

Deportine III	ethods and	loca on of	spoil places	ent and Aspos	al
is sandy ter pit	, chert fille	d material, randed to it's l	nging from nothi	the pit area with ng to ten foot in 1 be pushed into	thickness. Af-
	•				
•	,				
•	,				

. Acid materials

Describe methods and equipment used for handling acid materials (if none is anticipated, write "none" below)

None

. Pit information (give all dimensions in feet) Describe location and orientation of pit, if not clear on site maps

Pit runs generally southwest and will expand to the east and south. Rather than driving individual pits, one large pit will be created as mining progresses. See map 18.

- no Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
- will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
 - Will any excavation start at or within fifty feet (50') of any property line?
 (NOTE: If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-10.020 3)(D)2.

A. Revegetation (attach dditional sheets, if needs) B. Seeding or planting time Revegetation mix | Purpose or land use #1 | Spring - March 15 to April 15 Fall - Sept. 10 to Oct. 10 Pasture

Describe methods and equipment used for seeding or planting

Spoil/topsoil area will be leveled and seeded as required. See map 8.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be

applied to all slopes exceeding 5:1.

Seeded species	Pounds/Acre	Tree or	shrub species	Stems/ Acre
Fescue	15			
Clover	. 5	!		
Oats	30	!		
Fertilizer	30/30/30	!		
	!]		
	•	ļ ·		
		!		
		!		

Revegetation mix #2	Purpose or land use	B. Seeding or planting time
Describe methods	and equipment used for sec	eding or planting
	. Someit service	a À

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

Pounds/Acre	Tree or shrub species Stems/ Acre
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ī	MAR 01 1994
1. 1. 4. 1.	MISSOUKI LAND RECLAMATION COMMISSION

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES

C. GRADING, TOPSOILING AN REVEGETATION
Describe proposed reclaimed topography, including slopes
Only the topsoil/overburden area will have any reclamation. Landowner wants entire pit (reserves area) to become a lake or water entrapment area. Topsoil/overburden area will become an "island" surrounded by water.
Describe the general sequence and timing of the following activities Grading
Grading will continue concurrently with stripping.
Ponlagoment of tengo()
Replacement of topsoil
Soil will be spread over "island" area concurrent with stripping operations.
Revegetation
As soil is deposited, vegetation will be started and continued.
Average depth of replaced topsoil (inches): 12" (Revised 2/24/94)
D. USE OF LAND WHEN RECLAIMED Estimate acreage of each land use below, after reclamation
Wildlife (forest or other habitat with livestock excluded)

Form LRP-MP1

Page 4 of 5

Balance of undisturbed acres
(Revised 2/24/94)

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

80

	-1
ву шу	signature, I attest to the following: All statements made on this Mine Plan Form are correct, complete,
	and true, to the b t of my knowledge.
•	and crae, co cue post or my knowledge.
2)	I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3)	I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4)	I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.
Signa	ture of applicant Title Date
- 1	lan la Site
x (P	Vice President Jan. 15, 1992
Jo	to me personally known, secuted the above as their free acts and deeds.
Notary	Public: My Commission Expires on: Jan. 20 , 19 94
\wedge) State of Miggouri
Deli	Lie a. Hewer County of Missouri
	· · · · · · · · · · · · · · · · · · ·



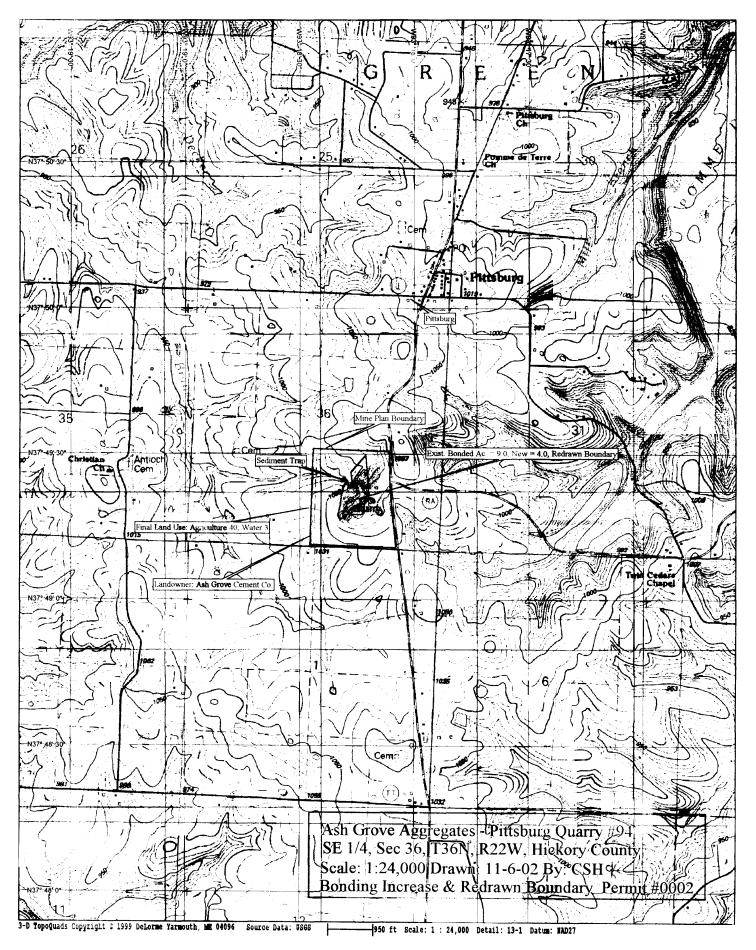
MISSUER CAMPINESION

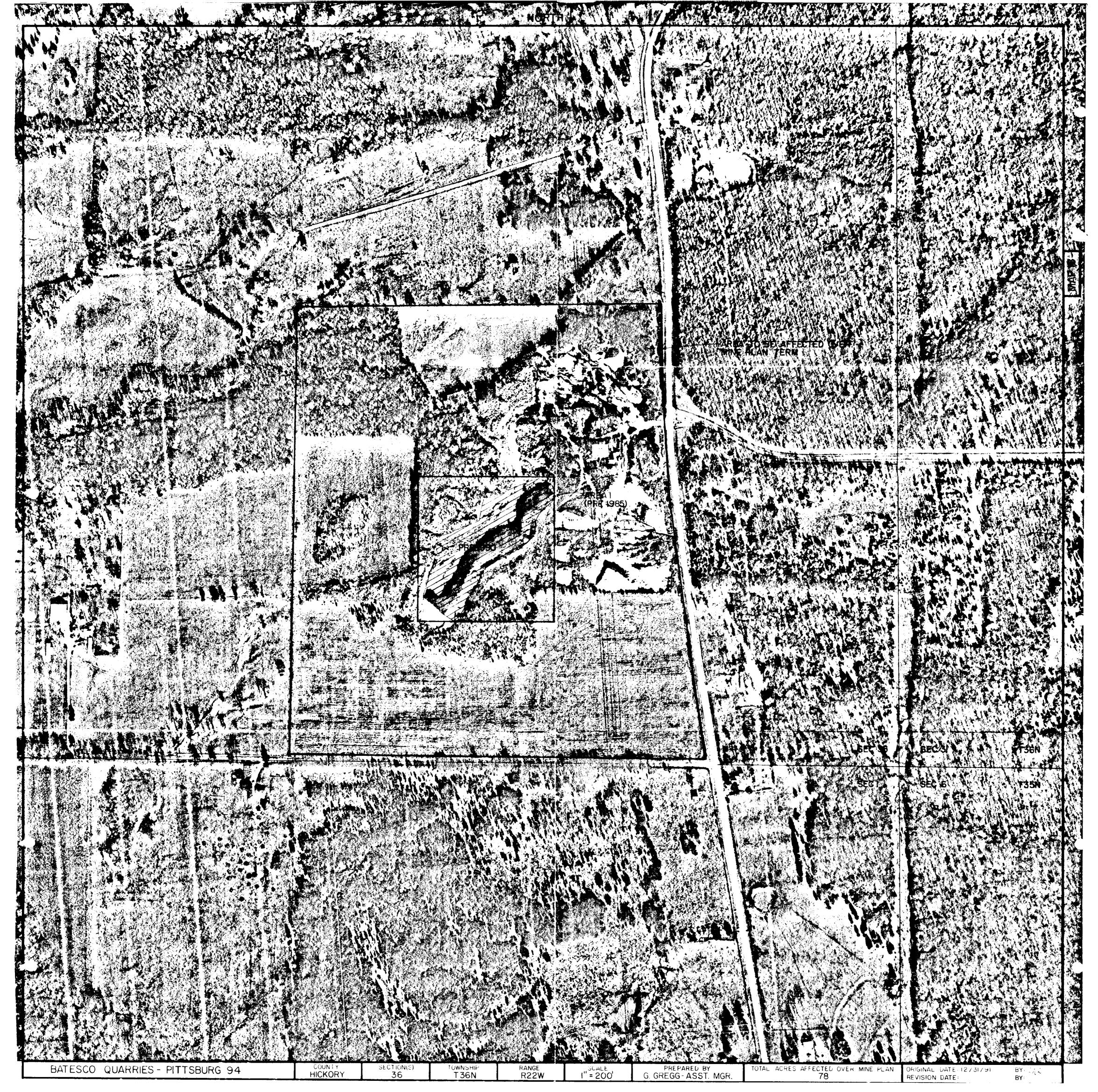
Approved by (Director's representative)

Date approved

Attach the following documents to the Mine Plan Form:

- A. Soil substitution apprication form, if applicab....
- B. Two copies of a map such that the mine can be located, and distinguished from other mines in the area.
- B. Two copies of a more detailed map, prepared on an original or clearly copied USGS 7-1/2 minute topographical map, county assessor map, A.S.C.S. aerial photo, up-to-date county plat or a different base map with a scale of one inch to six hundred sixty feet (1"=660') or larger.
 - 1. At minimum, the detailed map must show the following:
 - a. ownership boundaries, and names of owners of surface and subsurface rights to land within and contiguous to the permit area,
 - b. areas mined prior to August 28, 1990,
 - c. boundaries and acreage of each permitted site, and of the area to be affected over the Mine Plan term,
 - d. areas of proposed land uses and revegetation planting mixes.
 - e. public roads within one hundred feet (100') of the proposed permit boundary.
 - f. proposed terraces, waterways and diversions.
 - g. creeks or streams within the proposed permit area,
 - h. date of map preparation, preparer's name and title, north arrow, scale, and section, township and range lines.
 - 2. The following may be required for clarification:
 - a. abandoned underground and surface mines.
 - b. proposed limits of excavation, and stockpile and topsoil storage areas.
 - c. location of safety barriers, erosion and sediment control devises.
 - d. locations of acid- or toxic-forming materials.
 - e. structures, and natural or cultural features to be protected.





SITE INFORMATION FORM (to be completed for each separate area of disturbance associated with mining operations)

	Site name or	number	Permit	number	Compa	iny na	ame		
					1				
	Rich Hill - 74		91-00	2	 Batesco	Quarr	ies-Div.Un	ion Quarries, Inc	: .
	County	1/4 sec	tion	Section	Towns	hip	Range	Acres	寸
1	ļ					_			- [
	Bates	SE 1/4		28	39N		32W	80	
	River or stre			Mineral	commodi	ty		ed tons/ year	Ī
	(for in-strea	m acres		1			(for gi	cavel sites)	ļ
] 		[i
				Limeston	ıe				
_				•					
Ì	Name of lando		Ac	dress		City	1		
	(attach list	if more				Rich	H411		
	than one)				‡	Chai			-+

(attach list if more than one)		 Rich Hill	L I
,		State	Zip
Dorothy Craigmiles	Route 1 Box 126	мо	64779
Source of right to mine	(check one):		Date of agreement
Mineral deed	X Lease		2/01/89
Warranty deed	Verbal agree	ment	
Other (describe):			
Minoral rights owner	l Addross		

Mineral rights owner (attach list if more than one)	Address 	City Rich Hil	1
İ	_	State	Zip
Dorothy Craigmiles	Route 1 Box 126	МО	64779
Source of right to mine (Mineral deed Warranty deed	check one): X Lease Verbal agreeme	ent	Date of agreement 2/01/89
Other (describe):		•	2/ 52/ 57

EACH SITE MUST BE SHOWN ON A MAP AND BE INCLUDED IN A PUBLIC NOTICE AND AN APPROVED MINE PLAN

Form LRP-SF1

Page 1 of 1



MISSOURI DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION COMMISSION

P.O. Box 176 Jefferson City, MO 65102

MINE PLAN FORM

Type of plan Short term, for one permit year (check one): X Long term, for period through date: 1992 - 2025	
Description of site prior to Land Reclamation Commission Permitting (by applicant or prior operator), including soil, vegetation and topography	<u> </u>
Very poor soil used as pasture - relatively flat, sloping to the creek on West side of area. Almost no topsoil - clay base, tan hardpan type land which has almost no cover and supports very sparce vegetation.	
-	

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. Topsoil

Average depth of topsoil, prior to Land Reclamation sold or discarded Commission Permitting: 0 to 1/2" inches offsite? (Y or (N):

Describe methods and equipment used for topsoil removal

Dozers strip topsoil prior to removal of overburden and stockpile adjacent to areas reclamation will be completed on. Topsoil typically parallels box cut of pit.

Describe methods and equipment used for topsoil storage and protection

If available: round mounds and grade for minimal wash loss - some seeding or fescue and wheat to stabilize higher banks - straw bale dams in areas of possible siltation or erosion of stored topsoil.



RECLAMATION COMMISSION

3. Spoil	
Describe methods and Lation of spoil placement id disposal	
If available: spoil dozed into previous box cut, so as to reclaim previous p spoil from new cut. Along outside cuts, spoil dozed over previous spoil unti is removed and spoil pushed back into cut - also used for safety berms on out	1 stone
	·
en de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la co	
C. Acid materials	
Describe methods and equipment used for handling acid materials (if none is anticipated, write "none" below)	
None.	·
	1
	<u>_</u>
O. Pit information (give all dimensions in feet)	
Describe location and orientation of pit, if not clear on site m	aps
Pits in various locations - See map 6.	!
No Will any excavation be at or within fifty feet (50') of right-of-way of any public road?	the
No Will any highwall consisting of unconsolidated materials left within fifty feet of the right-of-way of any public	
(NOTE: For unconsolidated materials left in place, a slo no more than forty degrees may start near the right of w	ope of
in no case may the excavation be closer to the right of than fifty feet or twenty-five feet plus one and one-hal	way
<pre>(1-1/2) times the depth of unconsolidated material, whice is greater, unless a variance is granted by the Commiss:</pre>	
No Will any excavation start at or within fifty feet (50') property line?	of any
(NOTE: If the answer is "yes", a safety barrier may be	reeded.)

Reveretation (attack additional sheets, if need 4)

n. Movederarion	detail additional sheets/	
Revegetation mix	Purpose or land use	B. Seeding or planting time
#1		Spring - March 15 to April 15
	Pasture	Fall - Sept. 10 to Oct. 10

Describe methods and equipment used for seeding or planting

Coop hired seeder/spreaders with seed and fertilizer blend made at time of delivery. Disked after seeding for proper incorporation. See map 5.

Lime and fertilizer will be applied according to recommendations made, | based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

Seeded species	Pounds/Acre	Tree or shrub species	Stems/ Acre
Fescue Clover Oats Fertilizer	15 5 30 30/30/30		
	t, y times		

T	Revegetation mix	Purpose or	land use	B. Seeding or planting tir	ne
-	#2	tr + j	•		1
1					

Describe methods and equipment used for seeding or planting

na och poen den i i

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

200

Species	Pounds/Acre	Tree or shrub species	Stems/ Acre
		DECEIVED	·
		MAR 01 1994	
. ε.		MISSOUKI LAND RECLAMATION COMMISSION	

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES

Form LRP-MP1

- 1

Describe proposed reclaimed topography, including slopes	
Slope to West creek, flatten overburden and seed any soil available for cover.	
	į
•	
	!
Describe the general sequence and timing of the following activit	100
Grading	les
As pit advances and spoil pushed into previously mined out areas.	
in par develops and spear passed and passage, mande out droub.	
Replacement of topsoil	
Within a year after final grading or spoil material or as soon as viable possib	1e
after grading spoil materials.	į
Revegetation	
Toward to the transfer of the	
Immediately after topsoil replacement is completed and first seeding period arr	ives.
Average depth of replaced topsoil (inches): 12" (Combination of Topsoil & Over	erburden)
	erburuen, j
D. USE OF LAND WHEN RECLAIMED Estimate acreage of each land use below, after reclamation	
Wildlife (forest or other habitat with livestock excluded)	
	(2
Agricultural (pasture, cropland, and horticultural)	63
Development (residential, industrial, and recreational)	
Water impoundments (for wildlife, agricultural, or development)	3

C. GRADING, TOPSOILING UD REVEGETATION

Form LRP-MP1

Page 4 of 5

Balance of land that is undisturbed or was disturbed by Landowner prior permittee's permitting of property. Permittee has no liability for

14

Land Reclamation on these acres per prior agrrement with Tom Cabanas, DNR representative (Revised 2/24/94)

		to the following: on this Mine Plan Form are of the of my knowledge.	correct, complete,
2)	in accordance with the Missouri Land R 444.789, RSMo (Supp decisions and permi	am authorized to represent in this Mine Plan Form, and in a declamation Act, Sections 444 . 1990), and all rules, regul ts of the Missouri Land Recla mpany's surface mining operat	accordance with .760 through lations, orders, amation Commission
3)	I have obtained the post-reclamation la	approval of all landowner's nd uses.	for all proposed
4)	right to grant acce Reclamation Commiss I grant such access such access, I have landowners granting	ement with all landowners whise to the Director of the Mision and his authorized repres, and further where I have no attached signed affidavits functions of the such access.	ssouri Land sentatives, and o right to grant
- F	ure of applicant	Title	Date
x do	hu Il Just	Vice President	Jan, 15, 1992
		15th Day of January	, 19 <u>92</u> ,
Joh Who ev	m M. Lutz	to me personal their free acts and deeds.	ly known,
		chair itee acts and deeds.	
	Public:	My Commission Expires on: State of Missouri	Jan. 20 , 19 94
011.	150 A Laine	County ofMissouri	

	ECE	IV	E	n
4				1

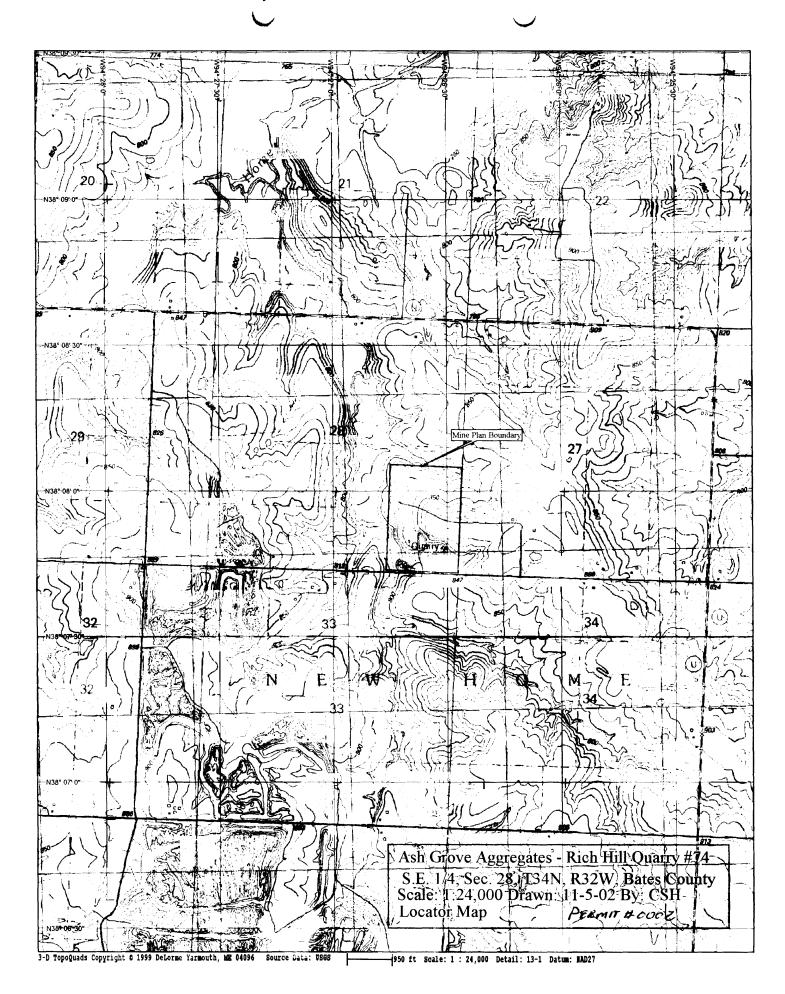
Approved by (Director's representative)

Date approved

3-12.94

Attach the following documents to the Mine Plan Form:

- A. Soil substitution application form, if application.
- B. Two copies of a map such that the mine can be located, and distinguished from other mines in the area.
- B. Two copies of a more detailed map, prepared on an original or clearly copied USGS 7-1/2 minute topographical map, county assessor map, A.S.C.S. aerial photo, up-to-date county plat or a different base map with a scale of one inch to six hundred sixty feet (1"=660') or larger.
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 - c. boundaries and acreage of each permitted site, and of the area to be affected over the Mine Plan term,
 - d. areas of proposed land uses and revegetation planting mixes.
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 - f. proposed terraces, waterways and diversions.
 - g. creeks or streams within the proposed permit area,
 - h. date of map preparation, preparer's name and title, north arrow, scale, and section, township and range lines.
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 - c. location of safety barriers, erosion and sediment control devises.
 - d. locations of acid- or toxic-forming materials.
 - e. structures, and natural or cultural features to be protected.





Ashgrove Aggregates, Inc.
Permit #0002
Rich Hill Quarry
Prepared by:
Prepared 5-25-04

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JUL 2 3 2004

MISSOURI LAND RECLAMATION COMMISSION

y Cal 7/15/14





te area of disturbance associ	ated with mining operations	MISSOURI LAND RECLAMATION COMMISSION
	PERMIT NUMBER	
	0002	
es		
1/4 SECTION		SECTION
NW 1/4		6
RANGE		ACRES
26		88
EAM ACRES)		
	ESTIMATED TONS/YEAR (FO	OR GRAVEL SITES)
	N/A	
IF MORE THAN ONE)		
wone want one,		
	STATE	ZIP CODE
	MO	65785
NE).		DATE OF AGREEMENT
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	X LEASE	April 1, 1998
	VERBAL AGREEMENT	
ST IF MORE THAN ONE)		
ner)		
	ISIATÉ	ZIP CODE
DNE):		DATE OF AGREEMENT
· · · · · · ·	LEASE	
	VERBAL AGREEMENT	
	1/4 SECTION NW 1/4 RANGE 26 EAM ACRES)	DIVERSITE MORE THAN ONE) STATE MO STATE





441164				4
TYPE OF PLAN (C			MISSC	DURI LAND
	, FOR ONE PERMIT YEAR			N COMMISSION
	FOR PERIOD THROUGH DATE:	1998-2050		
DESCRIPTION OF AND TOPOGRAPI	SITE PRIOR TO LAND RECLAMA HY.	TION COMMISSION PERMITTING	(BY APPLICANT OR	PRIOR OPERATOR), INCLUDING SOIL. VEGETATION
	The overburden is cl There is no topsoil property has some br	ith native grasses an lay with a large perc present at the site. rush/trees growing. nwestern edge of the	entage of character The SW cor There is an	ner of the existing pit
	PLAN - 10 CSR 40-10.020(2))(D)1.		
A. TOPSOIL				
AVERAGE DEPTH	OF TOPSOIL, PRIOR TO LAND RE	ECLAMATION COMMISSION PERM	AITTING	IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
		3. 5	INCHES	YES OR NO
DESCRIBE METH	ODS AND EQUIPMENT USED FOR	TOPSOIL REMOVAL		
where stockp areas	it is present will b iled in a stable loc where the A & B Hori	and a portion of the peremoved with dozer ation if not immediation is not present, raded areas or stockp	s and replace tely replaced as much as p	ractical will be

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Topsoil material will be stockpiled in a stable location within the permit area and protected from erosion by establishment of temporary or vegetative cover.

B. 3PU		
DESCRIB	E METHODS	AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL
	Pit # 1	Spoil will be removed with either dozers and/or scrapers. The spoil will be used to construct a berm around the final perimeter of the pit. The berm will be sloped @20° and seeded. All remaining spoil will be placed in the west side of the pit, graded and seeded.
1	Pit # 2	Spoil will be removed & disposed of in the same method as Pit $\#$ 1.
C. ACI	D MATERIA	ALS
DESCRIE	E METHODS	AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WHITE "NONE" BELOW)
:	NONE	
PIT	INFORMA"	TION (GIVE ALL DIMENSIONS IN FEET)
DESCRIE	BE LOCATION	AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS
	Pit # 1	Will run north/south encompassing northern $2/3$ of property. Final pit dimensions will be approximately $1600' \times 1200'$.
	Pit # 2	Will be run east/west on sothern $1/3$ of property. Final pit dimensions will be approximately $1200\ \times\ 400\ $
		RECEIVED MAY 11 1998 MISSOURI LAND RECLAMATION COMMISSION
YES	NO	
	_3	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
	Z	Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
	X	Will any excavation start at or within fifty feet (50') of any property line?

(NOTE: If the answer is "yes", a safety barrier may be needed.)

MO 780-1327 (12-91)

PAGE 2 OF 5

RECLAMATION	PLAN - 10 CSR	40-10.020(2)	(D)2.
-------------	---------------	--------------	-------

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION (Attach additional shee

WILDLIFE - For berm & spoil pile Spring or Francisco - April 15

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

The berm and any other spoil piles will be seeded and fertilized.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard Grass	8		
Timothy	5		
Red Top	3		
Red Clover	3		t
Qats or Wheat - Depends			
on season			
Fertilizer	30/30/30		
VEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PL	ANTING TIME
		<u> </u>	

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRI
		RECE MAY 1	1 1998 D
			URI LAND N COMMISSION
	1		

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

Berm will be graded at 20 degree slopes. Pit floor will be flat with some boulder piles on it.

RECEIVE D

MISSOURI LAND
RECLAMATION COMMISSION

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

Grading will take place as overburden is removed. Grading will be completed within 12 months of the expiration or renewal of the permit under which the surface disturbance occurred.

REPLACEMENT OF TOPSOIL

Topsoil replacement shall be completed within 12 months after the expiration or renewal of the permit under which the surface disturbance took place.

REVEGETATION

Berm and spoil pile will be seeded/fertilized at first planting season immediately following grading.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12" A & B Horizon (where present)

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	17.5
Agricultural (pasture, cropland, and horticultural)	
Development (residential, industrial, and recreational)	
Water impoundments (for wildlife, agricultural, or development)	55.0

MO 780-1327 (12-91)

15.5 VL.

PAGE 4 OF 5

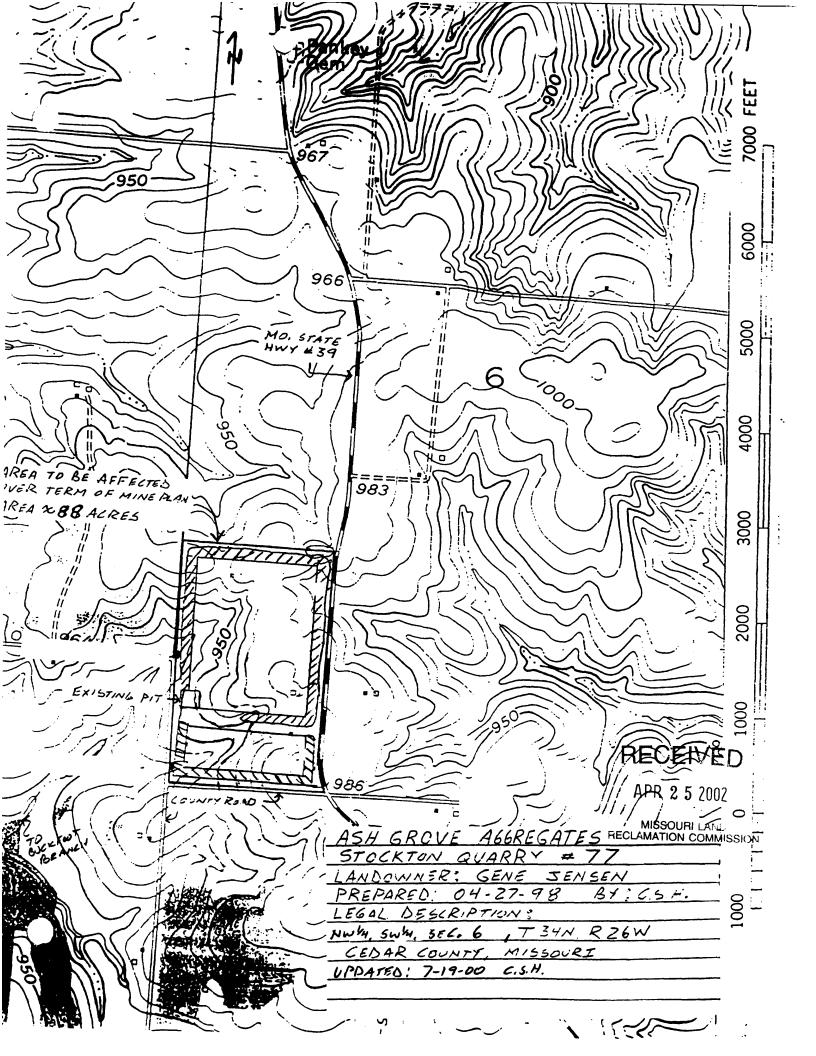
By my signature, I attest to the following:

SIGNATURE OF APPLICANT

- 1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
- 4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.



SIGNATURE OF APPLICANT			TITLE		DATE
Johne V	le 🛬		pres dent		5-6-98
NOTARY PUBLIC EMBOSSER SEAL	STATE			COUNTY (OR CI	TY OF ST. LOUIS)
	Missouri SUBSCRIBED AND SWORN BEFO	ORE ME, THIS	S	Bates	
	6th DAY O	F May	19 98	USE RUBBE	R STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE NOTARY PUBLIC NAME (TYPED OR P	WULL RINTED)	MY COMMISSION EXPIRES 1-20-02	Notary	DEBBIE A. KEISER Public – State of Missouri County of Bates nission Expires Jan. 20, 2002
	Debbie A. Keiser	· · · · · · · · · · · · · · · · · · ·		,	20, 2002
APPROVED BY (DIRECTOR'S REPR	ESENTATIVE		DATE APPROVED 7/16/	198	PERMIT NUMBER OOD
MO 780-1327 (12-91)					PAGE 5 OF 5





Ashgrove Aggregates, Inc.
Permit #0002
Stockton Quarry
Prepared by:
Prepared 5-25-04

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JUL 2 3 2004

MISSOURI LAND FECLAMATION COMMISSION

g S 7/15/04

MISSOURI DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION COMMISSION

P.O. Box 176 Jefferson City, MO 65102

SITE INFORMATION FORM (to be completed for each separate area of disturbance associated with mining operations)

-	Site name or numb	er Permit	number	Compa	ny nam	e		
	Wheatland - 92	91-002		Batesco	Quarrie	es-Div. l	Jnion Quarries	Inc.
-	County 1/4	section	Section	Towns		Range	Acres	
,	SE 1		19	104112	ו קבוויי	Nunge	NOTES	i
	SW 1	- '	20	-			l I	ļ
	Hickory NW 1	· ·	29	 37N	i	22W	256	- 1
-	River or stream n		Mineral				ted tons/ y	ear
1	(for in-stream ac			00111111001			cavel sites	
		100,			i	122 9	.uvol bloob	' i
					i			i
1	ĺ		Limestone		i			i
_			I					
	Name of landowner	Ac	idress		City			
	(attach list if m	ore i		į	_			į
ĺ	than one)	İ			Wheat1	land		İ
ĺ	Alice D. Hutton	İ		. 1	State	Zip		
ĺ	Ralph L. Hutton	į		i		i		i
	Doris J. Hutton		O. Box 22		MO	6577	·	i
Ī	Source of right to	o mine (chec	ck one):			Date	of agreem	ent
						1		1
1	Mineral dee					11/	01/90	
	Marranty de		Verbal	agreeme	ent			1
	Other (desc	ribe):						ļ
_								
-	Winama							
	Mineral rights ow		idress		City			į
	(attach list if m	ore			t The a	atland		Į
	than one) Alice D. Hutton	ļ		_	<u> </u>			
ļ	Ralph L. Hutton				State	Zip		ļ
	Doris J. Hutton	D	0. Box 22		MO	6577	10	ļ
-					rio			
	Source of right t		•			Date	e of agreem	ent
	Mineral dee		Lease				101 100	ļ
	Warranty de		verbal	agreeme	ent	1 11	/01/90	
	Other (desc	ride):						ļ

EACH SITE MUST BE SHOWN ON A MAP AND BE INCLUDED IN A PUBLIC NOTICE AND AN APPROVED MINE PLAN

Form LRP-SF1

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Page 1 of 1

MAR 01 1994

MISSOURI LAND RECLAMATION COMMISSION

B. Spoil	
Describ	e methods and location of spoil placement ar disposal
Spoil is	removed by dozers and pushed into previously mined out pits.
. Acid m Describ	aterials e methods and equipment used for handling acid materials
(if non	e is anticipated, write "none" below)
None.	
	·
) Die i-	formation (give all dimensions in fact)
	formation (give all dimensions in feet) e location and orientation of pit, if not clear on site maps
	both North/South and East/West in an "L" shape. Pits are obvious from maps.
See map	
No	Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
	right-of-way of any public foad?
No	Will any highwall consisting of unconsolidated materials be
	left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of
	no more than forty degrees may start near the right of way, and
	in no case may the excavation be closer to the right of way
	than fifty foot or twonty-flyo foot nive one and enc-half
	than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever
	than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

P.O. Box 176 J ferson City, MO 65102

ENE PLAN FORM

Type of plan Short term, for one permit year (check one): X Long term, for period through date: 1992-2025
Description of site prior to Land Reclamation Commission Permitting (by applicant or prior operator), including soil, vegetation and topography
Very hilly, timber covered, brushy acreage. Limestone outcrops along edges of hills -soil is a very cherty clay, yellowish red with no topsoil as such.
t

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. Topsoil

Average depth of topsoil, prior to Land Reclamation sold or discarded Commission Permitting: None inches offsite? (Y or (N):

Describe methods and equipment used for topsoil removal

Dozers remove the cherty clay overburden and push material toward and into previously mined out pit. No topsoil removal is used at this site.

Describe methods and equipment used for topsoil storage and protection

None - See above.



MISSOUKI LAND RECLAMATION COMMISSION

B. Spoil	4	7	
	cation of spoil placemen	it and disposal	· ·
Spoil is removed by dozers	and pushed into previously min	ned out pits	į
			. į
			ļ
			ł
			į
·			. !
C. Acid materials			
Describe methods and ed (if none is anticipated	quipment used for handling	ig acid materials	į
(21 none 15 and101patos	, willed hone below,		1
None.	•		· į
None.			
			i
			İ
			i
D. Pit information (give	all dimensions in feet)		
Describe location and o	orientation of pit, if no	t clear on site map	8
	nd East/West in an "L" shape.		I
See map 14.	nd Last/west in an L snape.	rics are obvious from	maps.
			ļ
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No Will any excava	ation be at or within fli	tv feet (50') of th	le l
	f any public road?	.07 2000 (00) 02 01.	j
No Will any highwa		11dahad	
	all consisting of unconso fty feet of the right-of-		
(NOTE: For unc	onsolidated materials lef	ft in place, a slope	of
no more than fo	orty degrees may start ne	ear the right of way	, and
	the excavation be closer t or twenty-five feet plu		ιλ
	the depth of unconsolidat		ver
	less a variance is grante		
Yes Will any excave	ation start at or within	fifty feet (501) of	anv
property line?		-	Į.
(NOTE: If the	answer is "yes", a safet <u>)</u>	parrier may be nee	ded.)

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A. Revegetation (att	ac additional s	sheets, i	f needed)		
Revegetation mix #1	Purpose or land	use	B. Seeding or p	planting 1	cime
		3 6			
Describe methods an	a equipment used	i for see	eding or planting	3	[
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Lime and fertilizer					de,
based on an analysi applied to all slop			itrients. Multh	MIII D6	
Seeded species	Pounds/Acre		shrub species	Stems/	Acre
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•	Purpose or land	use	B. Seeding or	planting	time
#2			, 1		ļ
Describe methods an	d equipment used	i for se	eding or planting		
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based on an analysi applied to all slop			utrients. Muith	MILI De	1
Species	Pounds/Acre		r shrub species	Stems/	Acre
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		1	MISSOURI LAP RECLAMATION COM	=	
	!	!	KECTAMATION COM	A) C) CCC II I	!

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES

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	7,71,77		ارت لانداد	- 1. N. F. C		NND KE	VEGETATION

Describe proposed reclaimed topography, including slopes

Spoil will be used to reclaim affected areas - land will become flatter, no like income of grass stands becoming usable. Storage areas for future stockpiles, ready mix plant and staging area. Western edge to be relatively steep due to deep creek area, however, pit area will become flat and usable by motor vehicles.

Describe the general sequence and timing of the following activities Grading

Continually, as mining progresses.

Replacement of topsoil

No topsoil on location.

Revegetation

Attempt to establish some form of grass - unsure what may survive over long period of time.

Average depth of replaced topsoil (inches):

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

Wildlife (forest or other habitat with lives ock excluded)

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

Form LRP-MP1

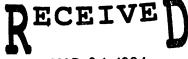
Page 4 of 5

80

Balance of undisturbed acres (Revised 2/24/94)

176

By my		to the following: on this Mine Plan Form a set of my knowledge.	correct, complete,				
2)	I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.						
3)) I have obtained the approval of all landowner's for all proposed post-reclamation land uses.						
4) I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.							
- '	ture of applicant	Title	Date				
X (Den Il Jan	Vice President	Jan. 15, 1992				
Appeared before me this 15th Day of January , 19 92 , John M. Lutz to me personally known, who executed the above as their free acts and deeds.							
Notary Public: My Commission Expires on: Jan. 20, 19 94 State of Missouri County of Missouri							



Date approved

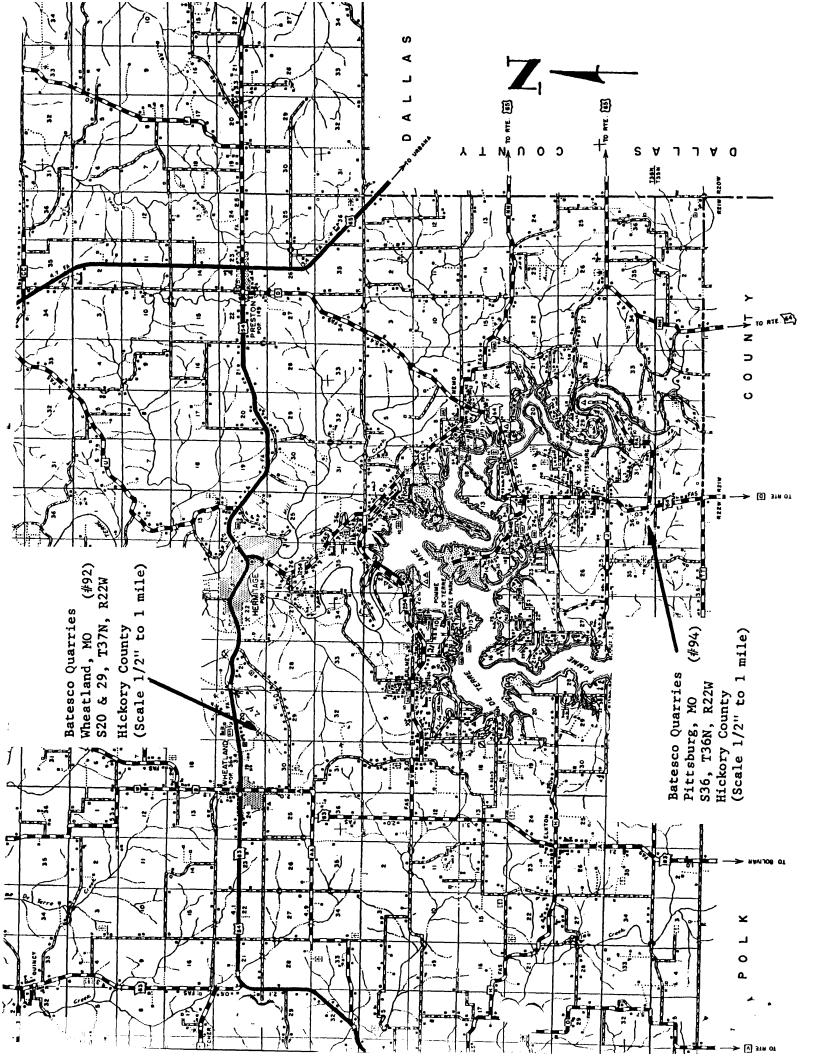
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MISSOUKI LAND RECLAMATION COMMISSION

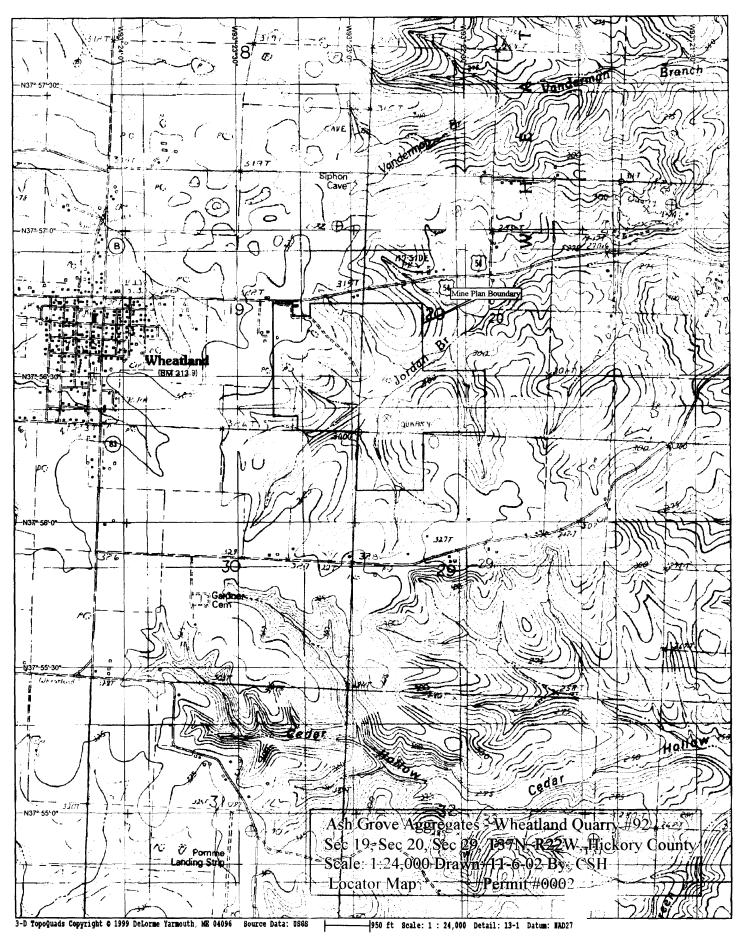
Approved by (Directon's representative)

Attach the following documents to the Mine Plan Form:

- A. Soil substitution application form, if applicale.
- B. Two copies of a map such that the mine can be located, and distinguished from other mines in the area.
- B. Two copies of a more detailed map, prepared on an original or clearly copied USGS 7-1/2 minute topographical map, county assessor map, A.S.C.S. aerial photo, up-to-date county plat or a different base map with a scale of one inch to six hundred sixty feet (1"=660') or larger.
 - 1. At minimum, the detailed map must show the following:
 - ownership boundaries, and names of owners of surface and subsurface rights to land within and contiguous to the permit area,
 - b. areas mined prior to August 28, 1990,
 - c. boundaries and acreage of each permitted site, and of the area to be affected over the Mine Plan term,
 - d. areas of proposed land uses and revegetation planting mixes.
 - e. public roads within one hundred feet (100') of the proposed permit boundary.
 - f. proposed terraces, waterways and diversions.
 - g. creeks or streams within the proposed permit area,
 - h. date of map preparation, preparer's name and title, north arrow, scale, and section, township and range lines.
 - 2. The following may be required for clarification:
 - a. abandoned underground and surface mines.
 - b. proposed limits of excavation, and stockpile and topsoil storage areas.
 - c. location of safety barriers, erosion and sediment control devises.
 - d. locations of acid- or toxic-forming materials.
 - e. structures, and natural or cultural features to be protected.



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Ashgrove Aggregates, Inc.
Permit #0002
Wheatland Quarry
Prepared by:
Prepared 5-25-04

RECEIVED

JUL 2 3 2004

MISSOURI LAND CECLAMATION COMMISSION

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